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Explore Data and Data Analytics Report

Monthly Count of Death

Preview:


This comprehensive report delves into the fascinating journey of harnessing the potential of two dynamic tools, Show Analytics and Explore Report Data, to convert a complex and intricate raw data set into a format that is not only easily accessible but also teeming with analytical value. Central to our narrative is the monthly death rate data set, which we sourced from the reputable Data.Gov platform (Data.Gov <https://catalog.data.gov>). While this data undoubtedly holds rich insights, it initially presents itself in a form that requires a degree of refinement to unlock its full potential. Here, the Show Analytics and Explore Report Data functionalities serve as our guiding light in this transformative journey.

As we progress through the subsequent sections of this report, we unveil the pivotal role played by these functionalities in the process of optimizing data and enhancing its accessibility. We delve deep into their functionalities, exploring how they enable us to gain a comprehensive understanding of their profound impact on enriching the overall value of the report.

We invite the reader to embark on a journey that encapsulates the essence of data transformation. While navigating through the intricacies of the Show Analytics and Explore Report Data functionalities, we witness raw data evolving into a powerful tool for informed decision-making. With each section, we peel back the layers of complexity to reveal the hidden gems of insights within this data set.

This report does not merely showcase the application of tools; it narrates the story of data's transformation from raw numbers to actionable intelligence. It underscores the importance of these tools as facilitators of data-driven decision-making and demonstrates how data can be harnessed to its fullest potential to create a resource that is both accessible and replete with analytical richness. Our exploration of these tools is not just a technical exercise; it is a testament to the transformative power of data when placed in capable hands.


How to import Data set Step by step:



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Online Data Analytics and Reporting

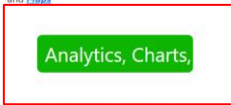
Automatically analyzes data in your existing database or your file, and generates reports, charts, maps, dashboards, provides interface for ad hoc reports and statistical research, matrix balancing, makes the creation and processing of reports convenient, simple, and accessible for end users and administrators alike.




[How to play in Sandbox](#)



How to play with [Analytics](#), [Charts](#), and [Maps](#)



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Analytics, Matrix balancing, Maps, KML generator DEMO

Reports: [Create new report](#) [Import data](#) Advanced User

Search: Search 89 reports

Created by	Show Report	Edit	Copy
cvdemo43_4_16_2020_1_50PM	Country Areas	locked	copy
cvdemo43_1_14_2023_10_17AM	Alzheimer	edit	copy
cvdemo43_7_22_2021_3_31PM	Arts Comp	edit	copy
cvdemo43_5_31_2020_2_34PM	Covid (test)	edit	copy
cvdemo43_7_18_2020_4_19PM	Covid 2020	edit	copy
cvdemo43_3_15_2021_12_06PM	Covid 2021	edit	copy
cvdemo43_3_22_2021_12_43PM	Covid Daily by State	edit	copy
cvdemo43_3_22_2021_11_57AM	Covid Daily Vaccination	edit	copy
cvdemo43_3_22_2021_12_59PM	Covid latest	edit	copy
cvdemo43_3_15_2021_10_47AM	Covid Vaccination by Country	edit	copy
cvdemo43_3_30_2021_10_42AM	Covid Vaccination by State in US	edit	copy
cvdemo43_6_1_2022_1_21PM	Crime 2018-2019	edit	copy
cvdemo43_10_15_2023_9_38PM	Data imported into 2024_budget_recommendations_positions_and_salaries on 10-15-2023 9-38-05 PM	edit	copy
cvdemo43_10_16_2023_12_23AM	Data imported into car_accidents_tempe_2023 on 10-16-2023 12-23-13 AM	edit	copy
cvdemo43_10_15_2023_7_42PM	Data imported into car_accidents_tempe_from_2023 on 10-15-2023 7-42-24 PM	edit	copy
cvdemo43_11_6_2023_9_48PM	Data imported into earthquakes_last_month on 11-6-2023 9-48-29 PM	edit	copy
cvdemo43_10_15_2023_8_24PM	Data imported into fuelprices2020 on 10-15-2023 8-24-58 PM	edit	copy
cvdemo43_10_16_2023_12_22AM	Data imported into mass_shooting_states_years on 10-16-2023 12-22-28 AM	edit	copy
cvdemo43_10_16_2023_8_21PM	Data imported into monthly_counts_of_deaths_test5 on 10-16-2023 8-21-58 PM	edit	copy
cvdemo43_10_30_2023_8_19PM	Data imported into NYPD_Shooting_Incident_2016_2022 on 10-30-2023 8-19-29 PM	edit	copy
cvdemo43_10_23_2023_7_35PM	Data imported into real_estate_2020_connecticut1 on 10-23-2023 7-35-19 PM	edit	copy
cvdemo43_10_23_2023_11_13PM	Data imported into school_attendance on 10-23-2023 11-13-05 PM	edit	copy
cvdemo43_11_8_2023_12_48AM	Data imported into tobacco_survey_1999_2017 on 11-8-2023 12-48-12 AM	edit	copy
cvdemo43_10_15_2023_8_28PM	Data imported into vegetable_prices_2020 on 10-15-2023 8-28-37 PM	edit	copy

Data Import

Insert into new table: ← **2**

or into existing table: ▼

delete all records from the table before upload csv file delimiter:

Select file to upload: ← **1**

or from web site:

Result:

Report Title:

Data Query Text:

Date and Time of Import:

Report ID:

csvdemo43_10_31_2023_2_28AM	Data imported into youth__tobacco_survey_data on 10-31-2023 2-28-20 AM	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_1_12_2023_10_50AM	Electric cars	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_7_14_2022_9_33AM	Feed Grain Export and Import	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_7_14_2022_1_34PM	Feed Grain text	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_7_8_2022_9_27AM	Feed Grains	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_7_24_2021_1_29PM	Gross Domestic Product GDP byArea	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_9_2_2023_1_27PM	Import into table industry1	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_8_31_2023_1_05PM	Import into table industry1	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_8_13_2020_1_12PM	Import sample	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_3_15_2023_1_35PM	Input csv or else	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_7_24_2021_9_12AM	Macro Economics	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_10_16_2023_8_43PM	monthly counts_of_death	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_7_28_2021_9_00AM	Nasdaq	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_3_13_2023_10_05AM	Natural Gas Future	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_7_24_2021_12_23PM	Personal Income By Area	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_10_25_2023_10_25AM	Real Estate CT	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_7_18_2022_11_08AM	Sample Sales Records by year	edit	copy	delete	2029-06-26 00:00:00
csvuser17_3_28_2020_6_32PM	States Population and Areas	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_5_15_2020_11_06AM	States Population and Areas with colors	edit	copy	delete	2028-09-29 10:49:00
csvuser17_3_16_2020_2_12PM	Storms 1950 paths	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_5_11_2020_5_47PM	Storms 1950 paths - Maps	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_4_9_2020_4_46PM	Storms 1950 paths 2	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_5_25_2020_2_40PM	Storms Damage, Area and Population by States	edit	copy	delete	2028-09-29 10:49:00
csvdemo43_10_9_2023_7_13PM	Table 11affordable_housing_by_towns_2011-2022 updated on 10/9/2023 7-13-00 PM	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_10_9_2023_7_41PM	Table affordable_housing_by_towns updated on 10/9/2023 7-41-38 PM	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_10_9_2023_7_10PM	Table affordable_housing_by_towns_2011-2022 updated on 10/9/2023 7-10-25 PM	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_10_9_2023_6_53PM	Table affordable_housing_by_town_2011-2022 updated on 10/9/2023 6-53-26 PM	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_10_9_2023_6_56PM	Table affordable_housing_by_town_2011-20221092023656pm updated on 10/9/2023 6-56:20 PM	edit	copy	delete	2029-06-26 00:00:00
csvdemo43_10_9_2023_7_43PM	Table affordable_housing_towns updated on 10/9/2023 7-43-35 PM	edit	copy	delete	2029-06-26 00:00:00

0_40PM>Data imported into youth...

First of all Here is an overview of the data set:
monthly counts of death

County	Year	month	rate	AllCause	NaturalCause	Septicemia	MalignantNeoplasms	DiabetesMellitus	Alzhei
Chemung	2003	4	high	213051	193541	2993	47587	6051	
Chemung	2004	5	high	219691	198767	3222	49792	6221	
Cayuga	1994	7	mid	265355	247269	4194	52346	8053	
Chemung	2005	6	high	219911	199453	3134	50593	6282	
Cayuga	1995	8	low	227047	211028	3559	46226	6809	
Chemung	2006	7	high	214310	194685	3138	48688	6175	
Cayuga	1996	9	low	242712	224708	3723	51192	7106	
Chemung	2007	8	mid	230021	212140	3459	48258	6851	
Cayuga	1997	10	mid	224423	207336	3342	48745	6568	
Cayuga	1998	11	low	223600	205087	3204	50072	6479	
Cayuga	1999	12	mid	211175	193014	3019	48055	6076	
Cayuga	2000	1	high	216951	197673	3151	50112	6251	
Cayuga	2001	2	high	214404	195312	3236	50196	6173	
Cayuga	2002	3	high	209905	191754	3123	48835	6012	
Cayuga	2003	4	high	223535	204815	3390	50889	6566	
Cayuga	2004	5	high	227191	208249	3480	48574	6522	
Cayuga	2005	6	high	224528	205011	3257	49589	6626	
Cayuga	2006	7	high	213051	193541	2993	47587	6051	
Cayuga	2007	8	mid	219691	198767	3222	49792	6221	
Cayuga	2008	9	high	216951	197673	3151	50112	6251	
Cayuga	2009	10	mid	214404	195312	3236	50196	6173	
Cayuga	2010	11	mid	216951	197673	3151	50112	6251	
Cayuga	2011	12	high	221317	195312	3236	50196	6173	
Cayuga	2012	1	mid	243390	52346	8053	11638	10005	
Cayuga	2013	2	high	265355	46226	6809	9477	6402	
Cayuga	2014	3	high	219788	202283	3315	48800	6582	
Cayuga	2015	4	high	233735	215657	3517	50462	6860	
Cayuga	2016	5	high	245823	227341	3846	51863	7392	
Cayuga	2017	6	mid	230021	212140	3459	48258	6851	
Cayuga	2018	7	mid	244283	224696	3773	51566	7108	
Cayuga	2019	8	mid	227191	208249	3480	48574	6522	
Cayuga	2020	9	mid	224528	205011	3257	49589	6626	
Cayuga	2021	10	high	213051	193541	2993	47587	6051	
Cayuga	2022	11	mid	219691	198767	3222	49792	6221	

Explore Report Data:

We can see here that we have for options in which we can export the table we have into four different type of files Excel, CSV, Delimited File, XML

But before that if we clicked on Explore Report Data itself we should have the following:

The screenshot shows a web interface for data reporting. At the top, there are options to 'hide duplicate records' and 'Export delimiter:'. Below this, the report title is 'Data for report: monthly counts_of_death'. There are dropdown menus for 'NaturalCause' (set to 'All'), 'month' (set to 'All'), and 'rate' (set to 'All'), with an 'Apply' button. A search bar with a 'Search' button is also present. A 'Reset' button and a 'Help for this page' link are also visible. Below the filters, there is a table with columns: County, Year, month, rate, AllCause, NaturalCause, Septicemia, MalignantNeoplasms, DiabetesMellitus, AlzheimerDisease, InfluenzaandPneumonia, ChronicLowerRespiratoryDiseases, and OtherDiseasesofRespiratorySystem. The table contains data for various counties and years, with the first few rows highlighted in blue. At the bottom of the table, there are page navigation links: '1 2 3 4'.

County	Year	month	rate	AllCause	NaturalCause	Septicemia	MalignantNeoplasms	DiabetesMellitus	AlzheimerDisease	InfluenzaandPneumonia	ChronicLowerRespiratoryDiseases	OtherDiseasesofRespiratorySystem
Chemung	2003	4	high	213051	193541	2993	47587	6051	8687	3391	11703	3058
Chemung	2004	5	high	219691	198767	3222	49792	6221	9038	3412	11681	3051
Cayuga	1994	7	mid	265355	247269	4194	52346	8053	11638	10005	16769	3797
Chemung	2005	6	high	219911	199453	3134	50593	6282	8991	3298	11464	2907
Cayuga	1995	8	low	227047	211028	3559	46226	6809	9477	6402	14196	3245
Chemung	2006	7	high	214310	194685	3138	48688	6175	9077	3307	11107	2936
Cayuga	1996	9	low	242712	224708	3723	51192	7106	9790	5601	15185	3668
Chemung	2007	8	mid	230021	212140	3459	48258	6851	9729	5162	13986	3266
Cayuga	1997	10	mid	224423	207336	3342	48745	6568	8859	4878	13982	3306
Cayuga	1998	11	low	223600	205087	3204	50072	6479	8674	4109	13376	3109
Cayuga	1999	12	mid	211175	193014	3019	48055	6076	8109	3679	11946	2983
Cayuga	2000	1	high	216951	197673	3151	50112	6251	8361	3476	11473	2906
Cayuga	2001	2	high	214404	195312	3236	50196	6173	8346	3439	10768	2877
Cayuga	2002	3	high	209905	191754	3123	48835	6012	8419	3378	10729	2844
Cayuga	2003	4	high	223535	204815	3390	50889	6566	9368	3883	11675	3057
Cayuga	2004	5	high	227191	208249	3480	48574	6522	9479	5088	13634	3277
Cayuga	2005	6	high	224528	205011	3257	49589	6626	9274	4053	12809	3232
Cayuga	2006	7	high	213051	193541	2993	47587	6051	8687	3391	11703	3058
Cayuga	2007	8	mid	219691	198767	3222	49792	6221	9038	3412	11681	3051
Cayuga	2008	9	high	216951	197673	3151	50112	6251	8361	3476	11473	2906
Cayuga	2009	10	mid	214404	195312	3236	50196	6173	8346	3439	10768	2877
Cayuga	2010	11	mid	216951	197673	3151	50112	6251	8361	3476	11473	2906
Cayuga	2011	12	high	221317	195312	3236	50196	6173	8346	3439	10768	2877
Cayuga	2012	1	mid	243390	52346	8053	11638	10005	16769	3797	4979	3005
Cayuga	2013	2	high	265355	46226	6809	9477	6402	14196	3245	4344	2578
Cayuga	2014	3	high	219788	202283	3315	48800	6582	9408	3763	11749	3141
Cayuga	2015	4	high	233735	215657	3517	50462	6860	10112	4449	13193	3353
Cayuga	2016	5	high	245823	227341	3846	51883	7392	10612	5295	14331	3705
Cayuga	2017	6	mid	230021	212140	3459	48258	6851	9729	5162	13986	3266
Cayuga	2018	7	mid	244283	224696	3773	51566	7108	10076	6208	15417	3668

We can see two Options:

- 1- Applying specific variable such as month (we can choose more than one variable at once) when apply this we should have a result demonstration what we have chosen. And we will see that in the following steps.
- 2- Search option and for the option we can see that we have three field from left to right: [Variable] [equality operation] [Specific value as a determiner of the equality]

Data for report: monthly counts_of_death

S

NaturalCause All month All rate All Apply

Records returned: 117

County	Year	month	rate	AllCause	Septicemia	MalignantNeo
Chemung	2003	4	high	21305	2993	47587
Chemung	2004	5	high	21969	3222	49792
Cayuga	1994	7	mid	26535	4194	52346
Chemung	2005	6	high	219911	199453	3134

hide duplicate records Export delimiter: [] [Reset] [Help for this page](#)

Data for report: monthly counts_of_death Search: [] [] [Search]

NaturalCause All month 3 rate All Apply

Records returned: 117 Export to Excel

County	Year	month	rate	AllCause	NaturalCause	Septicemia	MalignantNeoplasms	DiabetesMellitus	AlzheimerDisease	InfluenzaandPneumonia	ChronicLowerRespiratoryDiseases	OtherDiseasesofRespiratorySystem
Cayuga	2002	3	high	209905	191754	3123	48835	6012	8419	3378	10729	2844
Cayuga	2014	3	high	219788	202283	3315	48800	6582	9408	3763	11749	3141
Chautauqua	1990	3	high	219911	199453	3134	50593	6282	8991	3298	11464	2907
Cattaraugus	1990	3	high	243298	226621	3944	51101	7344	8305	7929	15078	3466
Chautauqua	2002	3	high	223535	204815	3390	50889	6566	9368	3883	11675	3057
Chautauqua	2014	3	high	214310	194685	3138	48688	6175	9077	3307	11107	2936
Cattaraugus	2002	3	high	265355	247269	4194	52346	8053	11638	10005	16769	3797
Chemung	1990	3	high	243390	225948	3798	51105	7163	10182	6442	14242	3482
Cattaraugus	2014	3	high	245823	227341	3846	51863	7392	10612	5295	14331	3705
Chemung	2002	3	high	224528	205011	3257	49589	6626	9274	4053	12809	3232
Cayuga	1990	3	high	205274	188322	2918	48331	5810	7238	3352	10426	2696

hide duplicate records Export delimiter: [] [Reset] [Help for this page](#)

Data for report: monthly counts_of_death Search: Year [] > [] 2000 [Search]

NaturalCause All month 3 rate All Apply

Records returned: 7 Export to Excel

County	Year	month	rate	AllCause	NaturalCause	Septicemia	MalignantNeoplasms	DiabetesMellitus	AlzheimerDisease	InfluenzaandPneumonia	ChronicLowerRes
Cayuga	2002	3	high	209905	191754	3123	48835	6012	8419	3378	10729
Cayuga	2014	3	high	219788	202283	3315	48800	6582	9408	3763	11749
Chautauqua	2002	3	high	223535	204815	3390	50889	6566	9368	3883	11675
Chautauqua	2014	3	high	214310	194685	3138	48688	6175	9077	3307	11107
Cattaraugus	2002	3	high	265355	247269	4194	52346	8053	11638	10005	16769
Cattaraugus	2014	3	high	245823	227341	3846	51863	7392	10612	5295	14331
Chemung	2002	3	high	224528	205011	3257	49589	6626	9274	4053	12809

We can see as the result the data set we have received have both the variable we have chosen which is the third month and searched for years larger then 2000. The result is every third month of a year over 2000.

◆ Explore Report Data

- 1 ◇ Export Data to Excel
- 2 ◇ Export Data to CSV
- 3 ◇ Export Data to Delimited File
- 4 ◇ Export Data to XML

First We should Understan the difference between each one of them:

- 1) **Excel:** Exporting data to Excel involves converting your data into a Microsoft Excel spreadsheet. Excel is a widely used spreadsheet application that allows you to organize, analyze, and visualize data. When you export data to Excel, it typically retains formatting, including cell colors, fonts, and formulas, making it suitable for creating structured reports and performing calculations.
- 2) **CSV (Comma-Separated Values):** CSV is a plain text format used for tabular data. In a CSV file, each line represents a record, and values within each line are separated by commas (or other delimiters like semicolons or tabs). CSV files are easy to create and are highly compatible with various applications, making them a common choice for data interchange.
- 3) **Delimited File:** Similar to CSV, delimited files use a specific character, such as a comma, semicolon, or tab, to separate values within a file. Delimited files provide flexibility in choosing the delimiter character, making them suitable for situations where a different delimiter is preferred over a comma.
- 4) **XML (Extensible Markup Language):** XML is a structured, text-based format used to represent and store data in a hierarchical and machine-readable manner. It allows for custom data structures, making it suitable for complex data with nested elements. Exporting data to XML involves creating a structured XML document where data is enclosed within defined tags, providing a high degree of flexibility in representing diverse data types.

Here is an example of one file that I have exported using the export data to Excel tool through OUReports.

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16
taraugus	1990	3	high	243298	226621	3944	51101	7344	8305	7929	15078	3466	4600	2815	582
taraugus	1991	4	mid	211980	197001	3214	45558	6443	7315	5561	12747	2873	4064	2532	504
taraugus	1992	5	high	228477	212045	3451	50646	6738	7999	5148	13493	3260	4300	2632	543
taraugus	1993	6	mid	215600	199454	3125	48304	6343	7117	4512	12573	3179	3962	2549	509
taraugus	1994	7	mid	216862	199843	3105	49497	6272	7266	4099	12281	3101	3980	2584	508
taraugus	1995	8	low	204687	187644	2947	48103	5802	6755	3658	11207	2782	3631	2518	471
taraugus	1996	9	low	209373	192035	3112	49259	5983	6990	3535	11161	2690	3690	2449	479
taraugus	1997	10	mid	208013	190204	2931	49519	5930	6986	3312	10722	2778	3778	2465	471
taraugus	1998	11	low	205274	188322	2918	48331	5810	7238	3352	10426	2696	3823	2586	469
taraugus	1999	12	mid	216147	200741	3203	50900	6183	8319	3804	11412	2903	3881	2703	504
taraugus	2000	1	high	221317	204268	3192	49577	6477	9069	3875	11759	2977	3954	3000	520
taraugus	2001	2	high	243390	225948	3798	51105	7163	10182	6442	14242	3482	4543	3409	579
taraugus	2002	3	high	265355	247269	4194	52346	8053	11638	10005	16769	3797	4979	3005	631
taraugus	2003	4	high	227047	211028	3559	46226	6809	9477	6402	14196	3245	4344	2578	543
taraugus	2004	5	high	242712	224708	3723	51192	7106	9790	5601	15185	3668	4597	2674	576
taraugus	2005	6	high	224423	207336	3342	48745	6568	8859	4878	13982	3306	4247	2511	529
taraugus	2006	7	high	223600	205087	3204	47072	6479	8674	4109	13376	3109	4046	2489	522
taraugus	2007	8	mid	211175	193014	3019	48055	6076	8109	3679	11946	2983	3881	2489	486
taraugus	2008	9	high	216951	197673	3151	50112	6251	8361	3476	11473	2906	3935	2529	502
taraugus	2009	10	mid	214404	195312	3236	50196	6173	8346	3439	10768	2877	3797	2464	489
taraugus	2010	11	mid	209905	191754	3123	48835	6012	8419	3378	10729	2844	3781	2518	478
taraugus	2011	12	high	223535	204815	3390	50889	6566	9368	3883	11675	3057	3927	2733	512
taraugus	2012	1	mid	219788	202283	3315	48800	6582	9408	3763	11749	3141	4060	2801	512
taraugus	2013	2	high	233735	215657	3517	50462	6860	10112	4449	13193	3353	4365	3211	552
taraugus	2014	3	high	245823	227341	3846	51863	7392	10612	5295	14331	3705	4645	2755	580
taraugus	2015	4	high	230021	212140	3459	48258	6851	9729	5162	13966	3266	4307	2553	546
taraugus	2016	5	high	244283	224696	3773	51596	7108	10076	6208	15417	3668	4652	2655	579
taraugus	2017	6	mid	227191	209249	3480	48574	6522	9479	5068	13634	3277	4124	2634	529
taraugus	2018	7	mid	224528	205011	3257	49589	6626	9274	4053	12809	3232	4082	2631	519
taraugus	2019	8	mid	213051	193541	2993	47587	6051	8687	3391	11703	3058	3927	2545	492

Now we are going to add some parameters and show that step by step:

First step:

First we should pick Report Format Definition to have Report Parameters on the menu.

- ◊ Log Off;
- ◊ List of Reports
- ◊ Report Definition
- ◊ Report Parameters ← 2
- ◊ Share Report (Users)
- ◆ Report Data Query
 - ◊ Data fields
 - ◊ Joins
 - ◊ Filters
 - ◊ Sorting
- ◆ Report Format Definition ← 1
 - ◊ Advanced Report Designer
 - ◊ Columns, Expressions
 - ◊ Groups, Total
 - ◊ Combine Values
 - ◊ Map Definition
- ◆ Explore Report Data
 - ◊ Export Data to Excel
 - ◊ Export Data to CSV
 - ◊ Export Data to Delimited File
 - ◊ Export Data to XML
- ◆ Show Report
 - ◊ Show Generic Report
 - ◊ Show Report Graphs
 - ◊ Export Report to Excel
 - ◊ Export Report to Word
 - ◊ Export Report to PDF
- ◆ Show Analytics
 - ◊ See Data Overall Statistics
 - ◊ Export Overall Statistics to Excel
 - ◊ See Groups Statistics
 - ◊ See Fields Correlation
 - ◊ Matrix Balancing

Second step:

This page will shows up and then you can see add parameter button onn the top right.

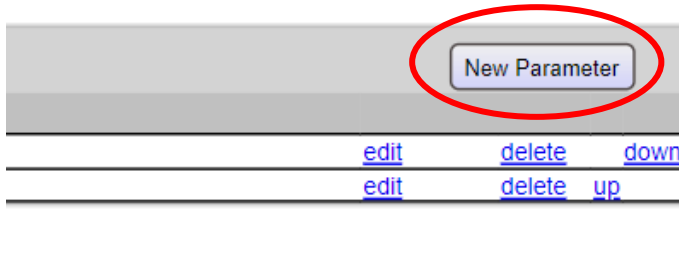
Online Data Analytics and Reporting

Report Definition - monthly_counts_of_death

Parameters

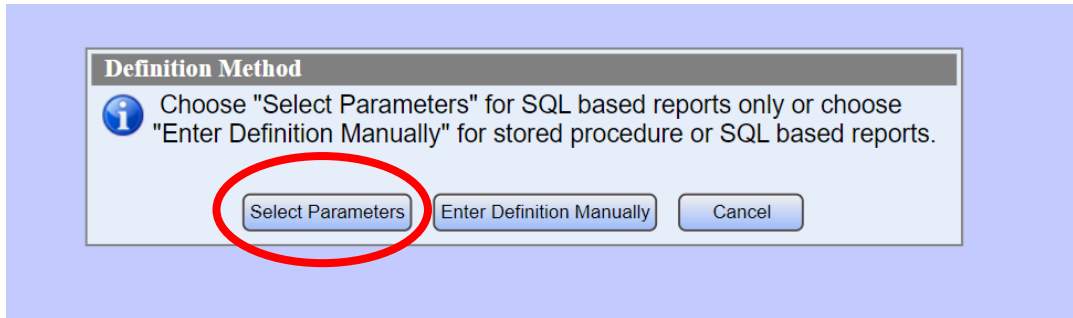
Label	Label	Parameter	Type	SQL	Comments
monthly_counts_of_deathest0.NaturalCause	NaturalCause	is	is	SELECT DISTINCT NaturalCause FROM monthly_counts_of_deathest ORDER BY NaturalCause	is
monthly_counts_of_deathest0.month	month	is	is	SELECT DISTINCT month FROM monthly_counts_of_deathest ORDER BY month	is
monthly_counts_of_deathest0.rate	rate	is	is	SELECT DISTINCT rate FROM monthly_counts_of_deathest ORDER BY rate	is

Help



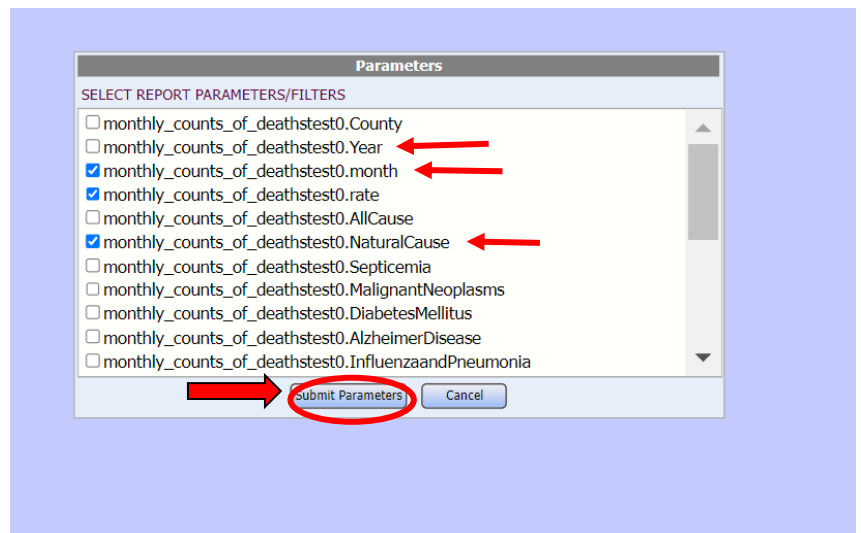
Third step:

A pop up will appear and we can either select parameters or enter definition manually



Forth Step:

We can choose the desired parameters then submit them.



Fifth and Final Step:

Now we can see that we have a list of three parameters.

Advanced User Report Definition - monthly counts_of_death

Report Data Query Report Format Report Info Parameters Users

related parameters Parameters: 3

Field	Label	Parameter	Type	SQL
monthly_counts_of_deathstest0 NaturalCause	NaturalCause	NaturalCause	int	SELECT DISTINCT NaturalCause FROM monthly_counts_of_deathstest0 ORDER BY NaturalCause
monthly_counts_of_deathstest0 month	month	month	int	SELECT DISTINCT month FROM monthly_counts_of_deathstest0 ORDER BY month
monthly_counts_of_deathstest0 rate	rate	rate	nvarchar	SELECT DISTINCT rate FROM monthly_counts_of_deathstest0 ORDER BY rate

Adding Groups (Groups and totals):

1

2

Column Order, Expressions **Groups and Totals** Combine column values

Add Group

Group By: County Totals for Column: County Friendly Group Name: Add/Update Group

Groups and Totals

Group By	Stats for Column	Group Name	Count	Sum	Max	Min	Average	Std Dev	Count Distinct	First	Last	Page Break	Order	Up	Down	Delete
rate	month	rate/month	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1			delete

Save Groups and update report: Submit

First we should pick Report Format Definition then choose the Groups and Tools option and select the desired value for each drop list.

Column Order, Expressions **Groups and Totals** Combine column values

Add Group

Group By: County Totals for Column: County Friendly Group Name: rate/month Add/Update Group

Groups and Totals

Group By	Stats for Column	Group Name	Count	Sum	Max	Min	Average	Std Dev	Count Distinct	First	Last	Page Break	Order	Up	Down	Delete
rate	month	rate/month	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0			delete

Save Groups and update report: Submit

And here we finally have added a new group successfully

Show Analytics:

By clicking on Show Analytics we will see the following:

Recalculate Analytics Correlation Data and Statistics Report and Charts List of User Dashboards Matrix Balancing Help Log off

monthly counts of death - Analytics

Search: [] 9 records

Select the field: month to aggregate: Count

For advanced matrix balancing only select iterations by the field: []

Category/Group 1	Category/Group 2	Matrix/Pivot	Bar Chart	Pie Chart	Line Chart	Data records	Dashboard	Matrix Balancing	Charts
AllCause	rate	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
CerebrovascularDiseases	CerebrovascularDiseases	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
County	County	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
County	rate	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
County	Year	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
DiseasesofHeart	DiseasesofHeart	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
NaturalCause	MalignantNeoplasms	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
rate	rate	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
rate	Year	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts

In the first square in the left we can determine the field we desire and choose whatever aggregation function we want based the data. On the second square we can see have some advanced option which will only work advanced matrix balancing only. And inside the the panel we can choose some visual demonstration options such as pie chart or bar chart and many more.

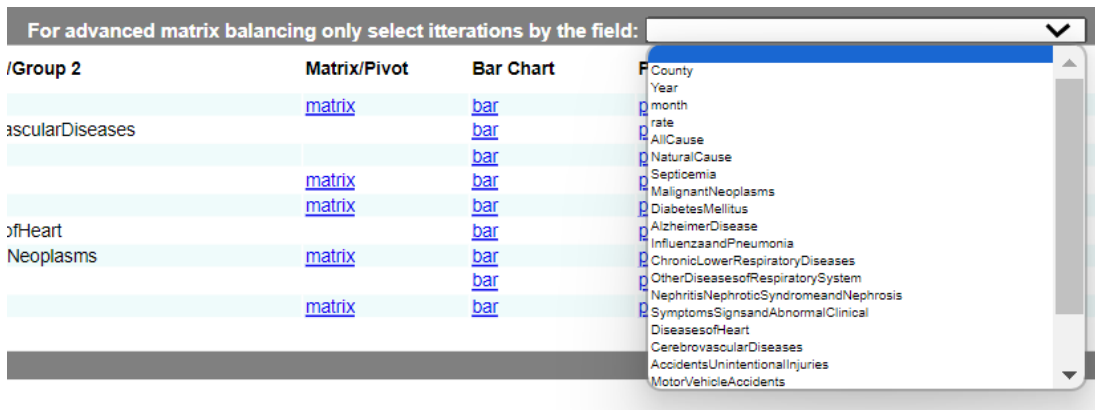
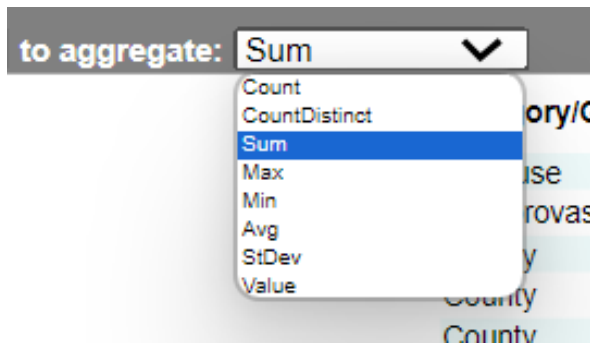
Recalculate Analytics Correlation

Search: [] 9 records

Select the field: AllCause to aggregate: Sum

Category/Group 1 Categor

AllCause	rate
CerebrovascularDiseases	Cereb
County	Count
County	rate
County	Year
DiseasesofHeart	Disea
NaturalCause	Malign
rate	rate
rate	Year



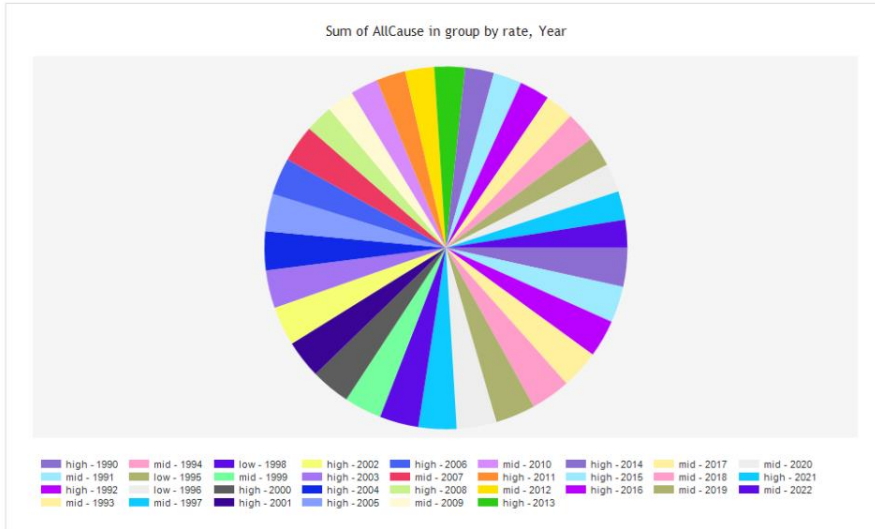
Now after seeing the options we have for each drop list we can go and see some visual illustration for the data we have and we will take each one of the options we have starting from Matrix and ending up with charts:

Category/Group 1	Category/Group 2	Matrix/Pivot	Bar Chart	Pie Chart	Line Chart	Data records	Dashboard	Matrix Balancing	Charts
AllCause	rate	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
CerebrovascularDiseases	CerebrovascularDiseases		bar	pie	line	detail report	stats dashboard	advanced	charts
County	County		bar	pie	line	detail report	stats dashboard	advanced	charts
County	rate	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
County	Year	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
DiseasesofHeart	DiseasesofHeart		bar	pie	line	detail report	stats dashboard	advanced	charts
NaturalCause	MalignantNeoplasms	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
rate	rate		bar	pie	line	detail report	stats dashboard	advanced	charts
rate	Year	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts

We have chosen county and rate as **Rate, Year** and 2 respectively, and selected pie chart for the representation.

1. Matrix:

monthly counts_of_death
NaturalCause: ALL, month: ALL, rate: ALL

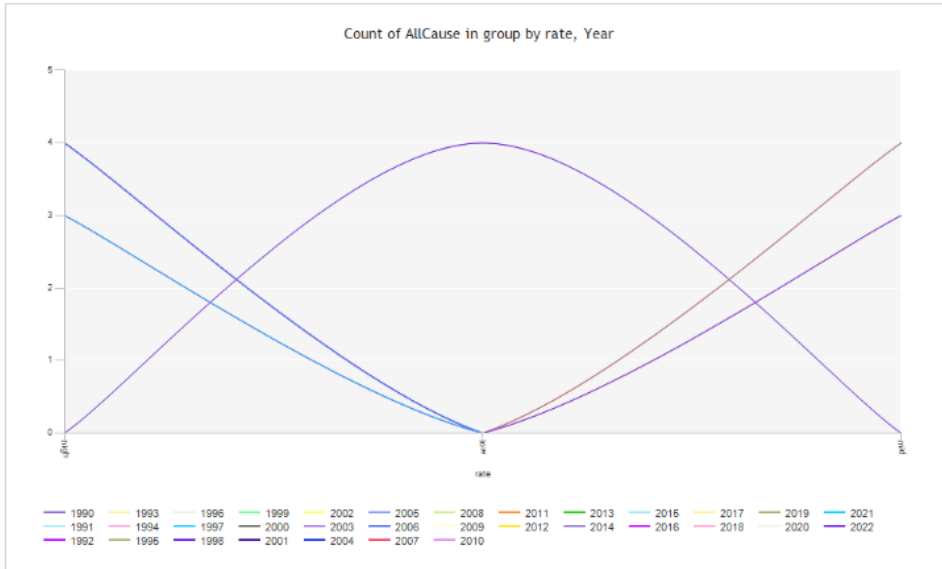


11/9/2023 11:37:57 AM

Last imported from the file Monthly_Counts_of_Deaths10.csv on 10/16/2023 8:43:57 PM

4. Line:

monthly counts_of_death
 NaturalCause: ALL month: ALL rate: ALL



5. Detail Report:

NaturalCause[All] month[All] rate[All] Apply

Graphs: axis X [rate] and [Year], axis Y [AllCause] numeric, aggregate [Sum] reverse group order

Google Charts Dashboard Statistics SSRS reports Matrix DrillDown Bar Pie Line

hide duplicate records Records returned: 117 Search: Search

monthly counts_of_death - DrillDown

Subtotals Of AllCause For: rate high							
Count	Sum	Max	Min	Avg	StDev	CntDist	
57	12890568	265355	205274	225,974.88	13,670.37	25	
Subtotals Of AllCause For: rate low							
Count	Sum	Max	Min	Avg	StDev	CntDist	
12	2795116	265355	204687	232,926.33	21,280.81	10	
Subtotals Of AllCause For: rate mid							
Count	Sum	Max	Min	Avg	StDev	CntDist	
46	10738160	265355	208013	223,711.67	12,487.45	23	
Overall totals Of AllCause							
Count	Sum	Max	Min	Avg	StDev	CntDist	
117	26413844	265355	204687	225,759.35	14,262.36	33	

11/9/2023 11:40:48 AM
 Last imported from the file Monthly_Counts_of_Deathsrest0.csv on 10/16/2023 8:43:57 PM

6. Stats Dashboard:

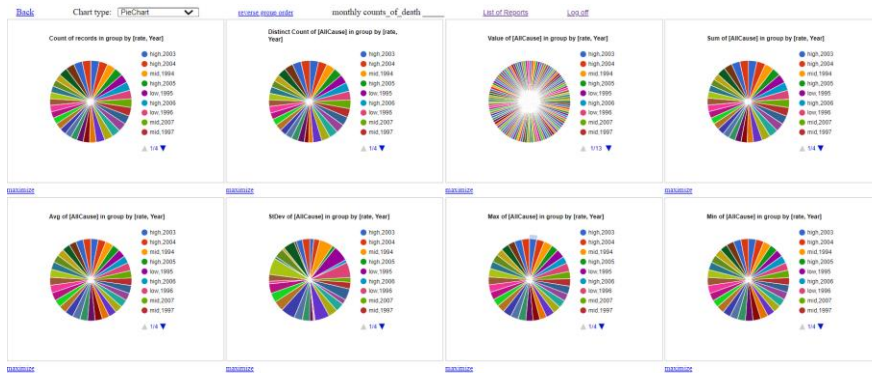
Chart type: PieChart

- 1 PieChart
- 2 BarChart
- 3 LineChart
- 4 AreaChart
- 5 SteppedAreaChart
- 6 ScatterChart
- 7 ComboChart
- 8 ColumnChart
- 9 Histogram

Count of records in group by [rate, Year]

This option can be performed in nine different form we will go through each one of them.

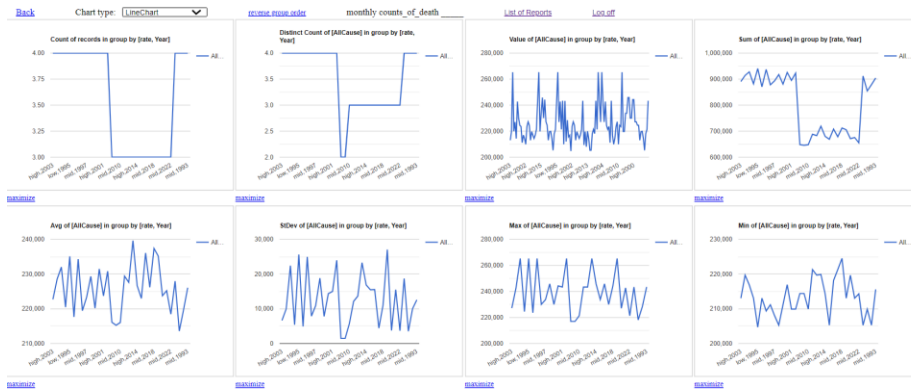
- PieChart:



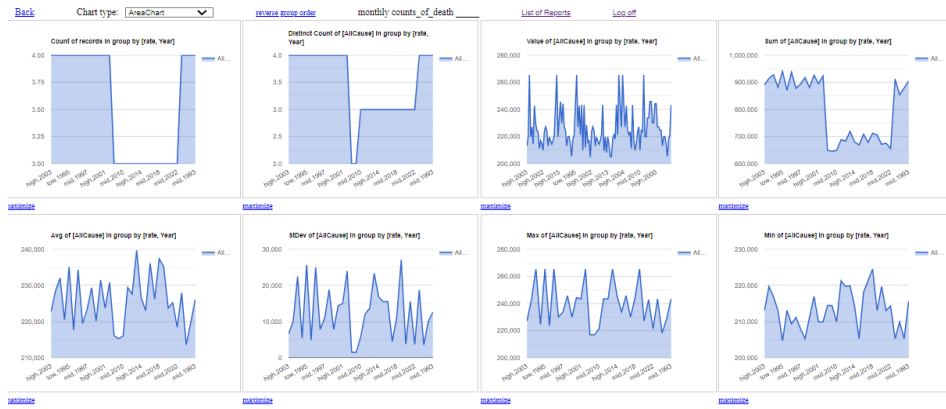
● **BarChart:**



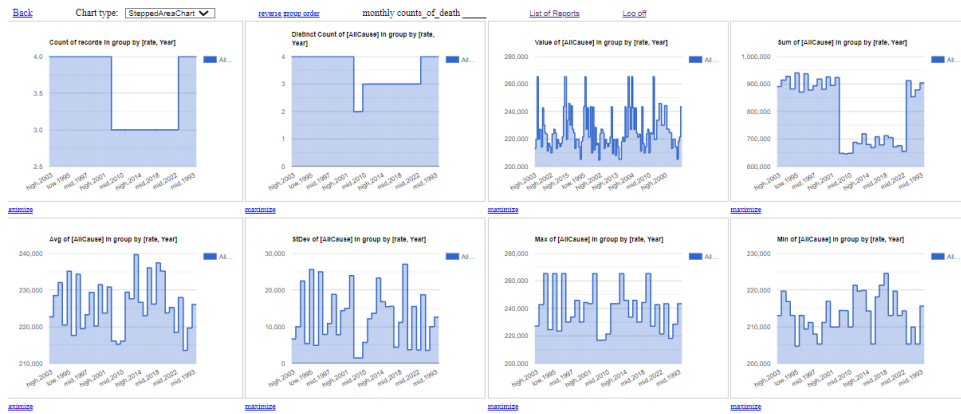
● **LineChart:**



- AreaChart:



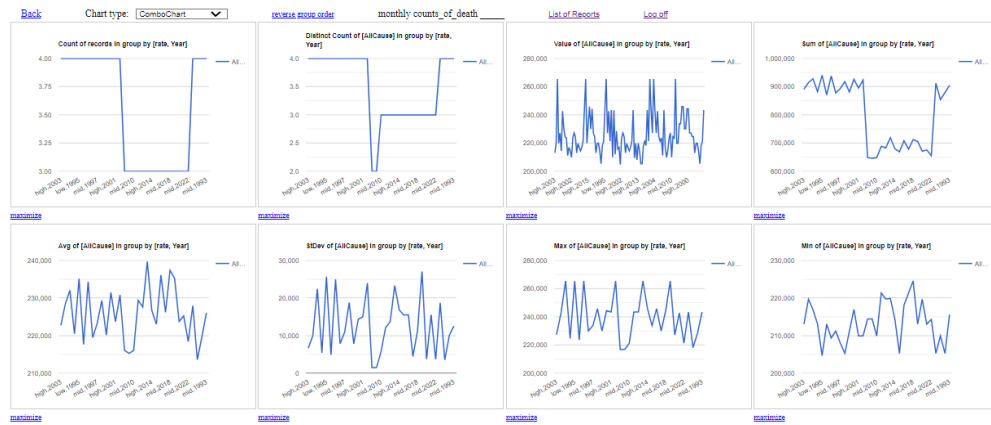
- SteppedChart:



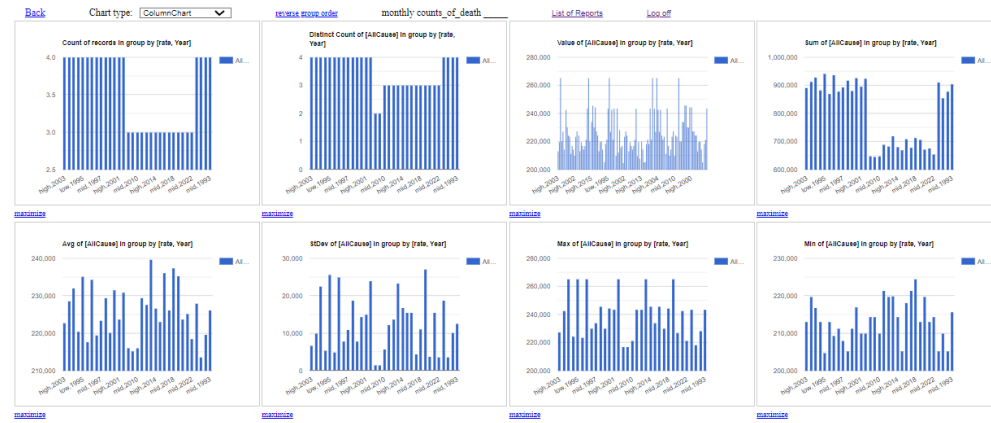
- ScatterChart:



- **ComboChart:**



- **ColumnChart:**



- **Histogram:**



7. Advanced:

Here I have used the data overall statistics to have full overview of the data set using the By group we have mid in the previous step and selectedRate(Mid) variable to show data.

Data for report: monthly counts_of_death

Search:

NaturalCause[All] month[All] rate[mid] Apply

Records returned: Export to Excel

County	Year	month	rate	AllCause	NaturalCause	Septicemia	MalignantNeoplasms	DiabetesMellitus	AlzheimerDisease	InfluenzaandPneumonia	ChronicLowerRespiratoryDiseases	OtherDiseasesofRespiratorySystem	NephritisNephroticSyndromeandNephrosis
Cayuga	1994	7	mid 2	5355	247269	4194	52346	8053	11638	10005	16769	3797	4979
Chemung	2007	8	mid 2	0021	212140	3459	48258	6851	9729	5162	13986	3266	4307
Cayuga	1997	10	mid 2	4423	207336	3342	48745	6568	8859	4878	13982	3306	4247
Cayuga	1999	12	mid 2	1175	193014	3019	48055	6076	8109	3679	11946	2983	3881
Cayuga	2007	8	mid 2	1691	198767	3222	49792	6221	9038	3412	11681	3051	3845
Cayuga	2009	10	mid 2	1404	195312	3236	50196	6173	8346	3439	10768	2877	3797
Cayuga	2010	11	mid 2	1951	197673	3151	50112	6251	8361	3476	11473	2906	3935
Cayuga	2012	1	mid 2	4390	52346	8053	11638	10005	16769	3797	4979	3005	63190
Cayuga	2017	6	mid 2	3021	212140	3459	48258	6851	9729	5162	13986	3266	4307
Cayuga	2018	7	mid 2	4283	224696	3773	51566	7108	10076	6208	15417	3668	4652
Cayuga	2019	8	mid 2	2791	208249	3480	48574	6522	9479	5088	13634	3277	4124
Cayuga	2020	9	mid 2	428	205011	3257	49589	6626	9274	4053	12809	3232	4082
Cayuga	2022	11	mid 2	391	198767	3222	49792	6221	9038	3412	11681	3051	3845
Chautauqua	1991	4	mid 2	810	194685	3138	48688	6175	9077	3307	11107	2926	3723
Chautauqua	1993	6	mid 2	1147	200741	3203	50900	6183	8319	3804	11412	2903	3881
Chautauqua	1994	7	mid 2	317	204268	3192	49377	6477	9069	3875	11759	2977	3954
Chautauqua	1997	10	mid 2	047	211028	3559	46226	6809	9477	6402	14196	3245	4344
Chautauqua	1999	12	mid 2	317	204268	3192	49377	6477	9069	3875	11759	2977	3954
Cattaraugus	1991	4	mid 2	980	197001	3214	45558	6443	7315	5561	12747	2873	4064
Cattaraugus	1993	6	mid 2	5600	198454	3125	48304	6343	7117	4512	12573	3179	3902
Cattaraugus	1994	7	mid 2	5862	199843	3105	49497	6272	7266	4099	12281	3101	3980
Chautauqua	2007	8	mid 2	6951	197673	3151	50112	6251	8361	3476	11473	2906	3935
Chautauqua	2009	10	mid 2	6951	197673	3151	50112	6251	8361	3476	11473	2906	3935
Chautauqua	2010	11	mid 2	1317	195312	3236	50196	6173	8346	3439	10768	2877	3797
Chautauqua	2012	1	mid 2	19891	198767	3222	49792	6221	9038	3412	11681	3051	3845
Cattaraugus	1997	10	mid 2	0813	190204	2931	49519	5930	6986	3312	10722	2778	3778
Cattaraugus	1999	12	mid 2	18147	200741	3203	50900	6183	8319	3804	11412	2903	3881
Chautauqua	2017	6	mid 2	21317	204268	3192	49377	6477	9069	3875	11759	2977	3954
Chautauqua	2018	7	mid 2	43390	225948	3798	51105	7163	10182	6442	14242	3482	4543
Chautauqua	2019	8	mid 2	65355	247269	4194	52346	8053	11638	10005	16769	3797	4979

12

hide duplicate records Export delimiter: [Help for this page](#)

Statistics for report: monthly counts_of_death Export to Excel

Friendly Name	Field	Count	Count Distinct	First Value	Last Value	Sum	Min	Max	Average	StDev	95% CI	Var
County	County	117	4	Chemung	Cayuga							
Year	Year	117	33	2003	1993	234567	1990	2022	2004.85	9.43	2004.85 +- 1.71	88.94
month	month	117	12	4	6	768	1	12	6.56	3.23	6.56 +- 0.59	10.44
rate	rate	117	3	high	mid							
AllCause	AllCause	117	33	213051	243390	26413844	204687	265355	225759.35	14262.36	225759.35 +- 2584.37	203414948.25
NaturalCause	NaturalCause	117	35	193541	225948	23501529	46226	247269	200867.77	31573.09	200867.77 +- 5721.11	996859784.06
Septicemia	Septicemia	117	35	2993	3798	408381	2918	8053	3490.44	809.25	3490.44 +- 146.64	654892.44
MalignantNeoplasms	MalignantNeoplasms	117	35	47587	51105	5651471	9477	52346	48303.17	7271.57	48303.17 +- 1317.62	52875773.07
DiabetesMellitus	DiabetesMellitus	117	35	6051	7163	771982	5802	10005	6598.14	661.58	6598.14 +- 119.88	437694.69
AlzheimerDisease	AlzheimerDisease	117	35	8687	10182	1086684	6755	16769	9287.9	1530.32	9287.9 +- 277.3	2341864.59
InfluenzaandPneumonia	InfluenzaandPneumonia	117	35	3391	6442	524628	3245	10005	4484	1487.84	4484 +- 269.6	2213669.93
ChronicLowerRespiratoryDiseases	ChronicLowerRespiratoryDiseases	117	35	11703	14242	1445093	4344	16769	12351.22	2149.31	12351.22 +- 389.46	4619551.16
OtherDiseasesofRespiratorySystem	OtherDiseasesofRespiratorySystem	117	34	3058	3482	367070	2578	3797	3137.35	292.64	3137.35 +- 53.03	85637.83
NephritisNephroticSyndromeandNephrosis	NephritisNephroticSyndromeandNephrosis	117	33	3927	4543	699066	3631	63190	5974.92	10016.66	5974.92 +- 1815.04	100333432.62
SymptomsSignsandAbnormalClinical	SymptomsSignsandAbnormalClinical	117	32	2545	3409	356801	2449	13576	3049.58	1833.15	3049.58 +- 332.17	3360456.23
DiseasesofHeart	DiseasesofHeart	117	35	49210	57992	5952484	11040	63190	50875.93	8317.15	50875.93 +- 1507.08	69174966.17
CerebrovascularDiseases	CerebrovascularDiseases	117	35	10980	12630	1319368	2350	13576	11276.65	1799.63	11276.65 +- 326.1	3238671.13
AccidentsUnintentionalinjuries	AccidentsUnintentionalinjuries	117	35	13289	11971	1422151	3215	14245	12155.14	1865.01	12155.14 +- 337.94	3478250.48
MotorVehicleAccidents	MotorVehicleAccidents	117	35	3542	3095	367820	1124	3642	3143.76	494.16	3143.76 +- 89.54	244189.48
IntentionalSelfHarmSuicide	IntentionalSelfHarmSuicide	117	33	3726	3394	436826	3091	4354	3733.56	253.27	3733.56 +- 45.89	64143.35
AssaultHomicide	AssaultHomicide	117	31	1657	1411	175852	1050	1804	1503.01	175.42	1503.01 +- 31.79	30773.61
DrugOverdose	DrugOverdose	117	34	5128	4002	539943	3733	6403	4614.9	581.17	4614.9 +- 105.31	337756.27
Indx	Indx	117	117	1	117	6903	1	117	59	33.92	59 +- 6.15	1150.5

Data for report: monthly counts_of_death

Search:

NaturalCause[All] month[All] rate[mid] Apply

Export overall Statistics to Excel:

And here I have used the second tool which is Export overall statistics to Excel and the special feature of this tool is that it is giving a quick and yet useful pieces of information such as the confidence level, Average and Standard deviation.

Friendly Name	Field	Count	Count Distin	First Value	Last Value	Sum	Min	Max	Average	StDev	95% CI	Var
County	County	117	4	Chemung	Cayuga							
Year	Year	117	33	2003	1993	234567	1990	2022	2004.85	9.43	2004.85 + 1.65	88.94
month	month	117	12	4	6	768	1	12	6.56	3.23	6.56 + 0.59	10.44
rate	rate	117	3	high	mid							
AllCause	AllCause	117	33	213051	243390	26413844	204687	265355	225759.35	14262.36	225759.35 + 14262.36	203414948
NaturalCaus	NaturalCaus	117	35	193541	225948	23501529	46226	247269	200867.77	31573.09	200867.77 + 31573.09	996859784
Septicemia	Septicemia	117	35	2993	3798	408381	2918	8053	3490.44	809.25	3490.44 + 181.85	654892.44
MalignantNe	MalignantNe	117	35	47587	51105	5651471	9477	52346	48303.17	7271.57	48303.17 + 7271.57	52875773.1
DiabetesMe	DiabetesMe	117	35	6051	7163	771982	5802	10005	6598.14	661.58	6598.14 + 661.58	437694.69
AlzheimerDi	AlzheimerDi	117	35	8687	10182	1086684	6755	16769	9287.9	1530.32	9287.9 + 1530.32	2341864.59
Influenzaan	Influenzaan	117	35	3391	6442	524628	3245	10005	4484	1487.84	4484 + 269.64	2213669.93
ChronicLow	ChronicLow	117	35	11703	14242	1445093	4344	16769	12351.22	2149.31	12351.22 + 2149.31	4619551.16
OtherDiseas	OtherDiseas	117	34	3058	3482	367070	2578	3797	3137.35	292.64	3137.35 + 292.64	85637.83
NephritisNe	NephritisNe	117	33	3927	4543	699066	3631	63190	5974.92	10016.66	5974.92 + 10016.66	100333433
SymptomsS	SymptomsS	117	32	2545	3409	356801	2449	13576	3049.58	1833.15	3049.58 + 1833.15	3360456.23
DiseasesofH	DiseasesofH	117	35	49210	57992	5952484	11040	63190	50875.93	8317.15	50875.93 + 8317.15	69174966.2
Cerebrovasc	Cerebrovasc	117	35	10980	12630	1319368	2350	13576	11276.65	1799.63	11276.65 + 1799.63	3238671.13
AccidentsUr	AccidentsUr	117	35	13289	11971	1422151	3215	14245	12155.14	1865.01	12155.14 + 1865.01	3478250.48
MotorVehicl	MotorVehicl	117	35	3542	3095	367820	1124	3642	3143.76	494.16	3143.76 + 494.16	244189.48
IntentionalS	IntentionalS	117	33	3726	3394	436826	3091	4354	3733.56	253.27	3733.56 + 253.27	64143.35
AssaultHom	AssaultHom	117	31	1657	1411	175852	1050	1804	1503.01	175.42	1503.01 + 175.42	30773.61
DrugOvercd	DrugOvercd	117	34	5128	4002	539943	3733	6403	4614.9	581.17	4614.9 + 581.17	337756.27
Indx	Indx	117	117	1	117	6903	1	117	59	33.92	59 + 6.15	1150.5

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Group Statistics:

In this section of the report, I will illustrate the utilization of the Group Statistics tool, which has enabled me to transform the dataset into a visually engaging chart. This chart presents a comprehensive overview of key details, enhancing the clarity and facilitating a straightforward comparison of the data at hand.

Group Statistics: **monthly counts_of_death** Reset Schedule report Help

NaturalCause: **All** month: **All** rate: **low** Apply

Graphs: axis X (AllCause) and rate, axis Y (month) numeric, aggregate (Sum) reverse group order

Google Charts Dashboard Statistics SSRS reports Matrix DrillDown Bar Pie Line

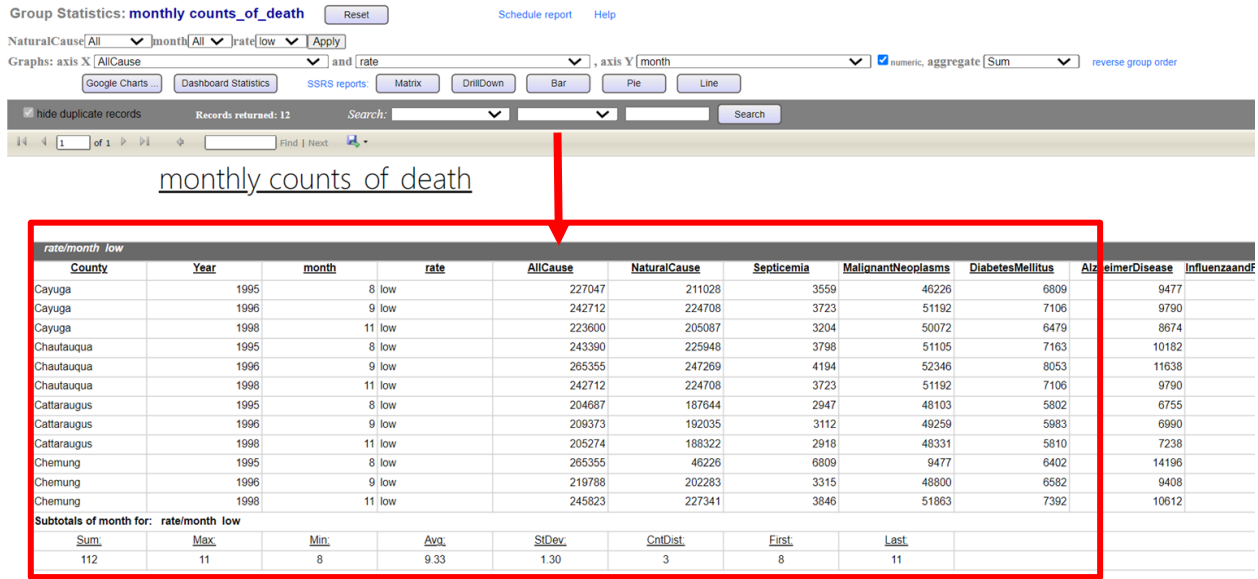
hide duplicate records Records returned: 117 Search: Search

monthly counts_of_death - Groups Statistics

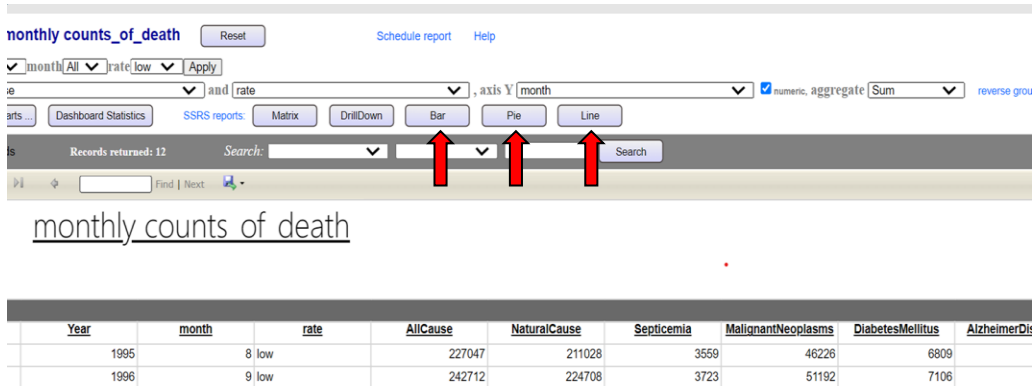
Subtotals for group { rate/month high } of month:	Sum	Max	Min	Avg	StDev	CntDist	First	Last
	279	12	1	4.89	2.89	10	4	5
Subtotals for group { rate/month low } of month:	Sum	Max	Min	Avg	StDev	CntDist	First	Last
	112	11	8	9.33	1.30	3	8	11
Subtotals for group { rate/month mid } of month:	Sum	Max	Min	Avg	StDev	CntDist	First	Last
	377	12	1	7.85	2.90	9	7	6

10/24/2023 8:52:19 AM
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After applying the fields we desire we would have the set of data in the below picture.

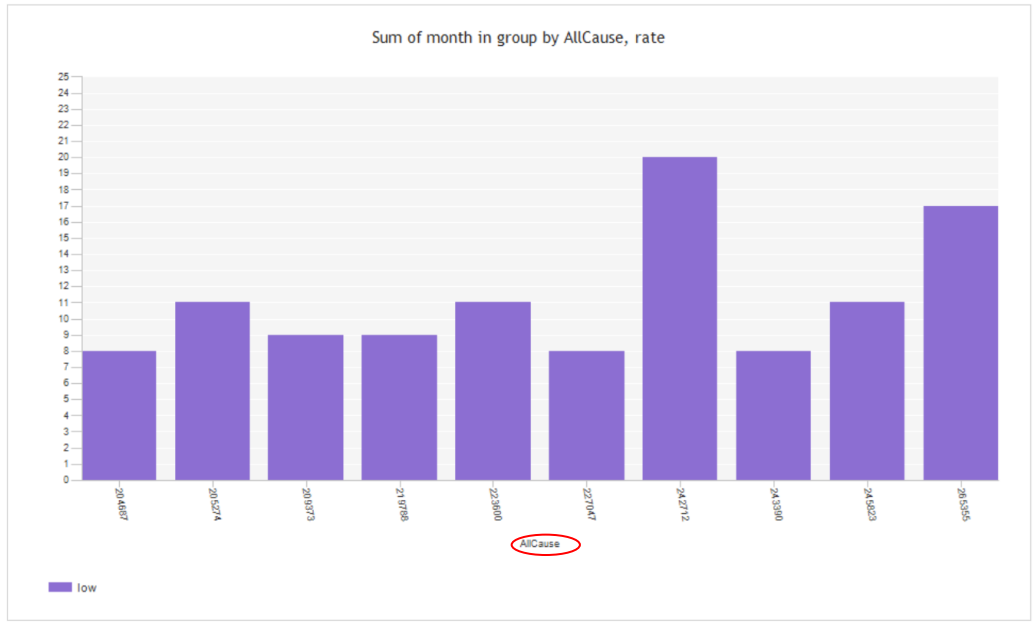


In the next picture we will visualize the data we have in three forms:



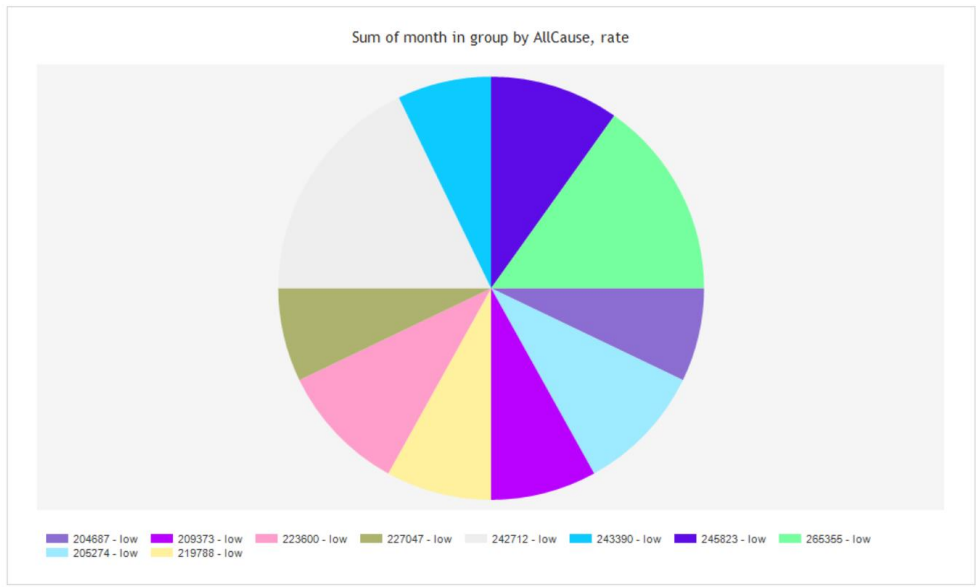
- **Bar:**

monthly counts_of_death
monthly_counts_of_deathstest0.rate='low'



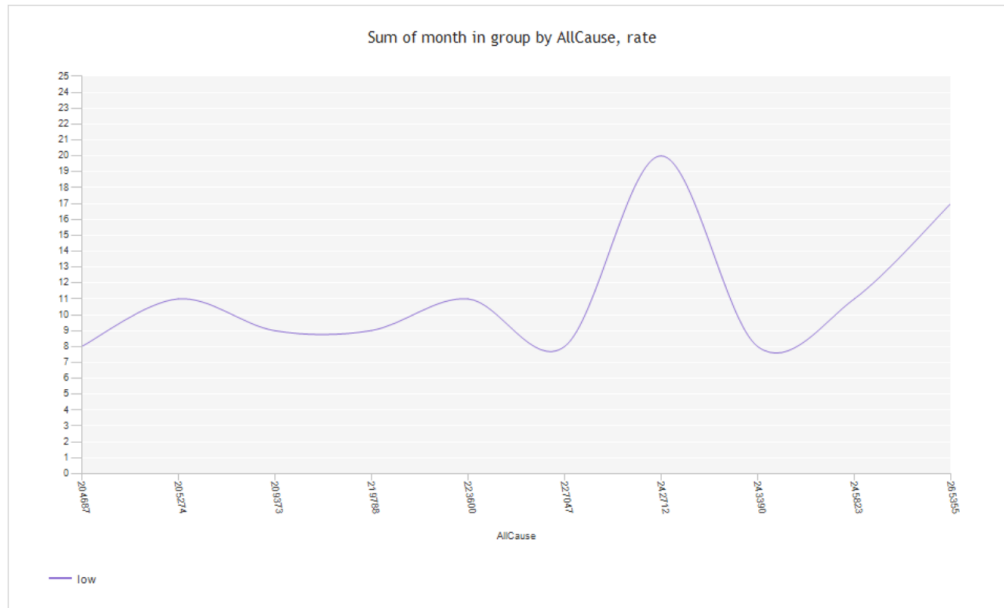
● Pie:

monthly counts_of_death
monthly_counts_of_deathstest0.rate='low'



- **Line:**

monthly counts_of_death
monthly_counts_of_deathstest0.rate='low'



See Fields Correlation:

Before diving into this part we should have an idea about Correlation and what does it mean.

Correlation is a statistical measure that quantifies the degree to which two variables are related to each other. It helps us understand the relationship between these variables, specifically whether they move in a consistent way. Correlation does not imply causation; in other words, it doesn't tell us that changes in one variable cause changes in the other. Instead, it indicates that there may be a statistical association between the two variables.

Here's how correlation works:

- **Variables:** In a correlation analysis, you have two variables, often referred to as X and Y. These can be any quantitative data, such as age and income, temperature and ice cream sales, or test scores and study hours.
- **Data Collection:** You collect data points for both variables. For example, you might gather information on the age and income of a group of people.
- **Calculation:** There are different methods to calculate correlation, with the Pearson correlation coefficient (r) being the most common. It measures the strength and direction of the linear relationship between two variables

Correlation is a powerful tool for exploring relationships in data, identifying patterns, and making predictions. It's commonly used in fields such as economics, social sciences, and natural sciences. However, it's important to remember that correlation does not prove causation. While two variables may be correlated, there could be underlying factors or coincidences driving the relationship. Further research and experimentation are often needed to establish causation.

Now we can introduce the fourth tool, known as the Field Correlation tool, proves to be exceptionally valuable in assessing the degree of interrelation among the dataset variables. Subsequently, we can represent this data using graphical aids, such as bar charts, to visually convey the insights derived. To illustrate this, consider the following example:

Monthly Counts of Death - Correlations

Field 1	Field 2	Correlation Coefficient	RDL	Charts	Dashboard
AccidentsUnintentionalInjuries	AlzheimerDisease	0.57	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	CerebrovascularDiseases	0.79	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	ChronicLowerRespiratoryDiseases	0.61	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	DiseasesofHeart	0.78	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	MalignantNeoplasms	0.84	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	MotorVehicleAccidents	0.81	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	NaturalCause	0.78	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	NephritisNephroticSyndromeandNephrosis	0.84	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	Septicemia	0.79	bar	charts	stats_dashboard
AccidentsUnintentionalInjuries	SymptomsSignsandAbnormalClinical	0.84	bar	charts	stats_dashboard
AllCause	AlzheimerDisease	0.69	bar	charts	stats_dashboard
AllCause	DiabetesMellitus	0.73	bar	charts	stats_dashboard
AllCause	InfluenzaandPneumonia	0.75	bar	charts	stats_dashboard
AllCause	OtherDiseasesofRespiratorySystem	0.61	bar	charts	stats_dashboard
AllCause	Septicemia	0.57	bar	charts	stats_dashboard
AlzheimerDisease	AccidentsUnintentionalInjuries	0.57	bar	charts	stats_dashboard
AlzheimerDisease	AllCause	0.69	bar	charts	stats_dashboard
AlzheimerDisease	DiabetesMellitus	0.72	bar	charts	stats_dashboard
AlzheimerDisease	MalignantNeoplasms	0.69	bar	charts	stats_dashboard
AlzheimerDisease	MotorVehicleAccidents	0.59	bar	charts	stats_dashboard
AlzheimerDisease	NephritisNephroticSyndromeandNephrosis	0.74	bar	charts	stats_dashboard
AlzheimerDisease	Septicemia	0.82	bar	charts	stats_dashboard
AlzheimerDisease	SymptomsSignsandAbnormalClinical	0.74	bar	charts	stats_dashboard
AssaultHomicide	DrugOverdose	0.66	bar	charts	stats_dashboard
AssaultHomicide	IntentionalSelfHarmSuicide	0.66	bar	charts	stats_dashboard
AssaultHomicide	MotorVehicleAccidents	0.66	bar	charts	stats_dashboard
CerebrovascularDiseases	AccidentsUnintentionalInjuries	0.79	bar	charts	stats_dashboard
CerebrovascularDiseases	ChronicLowerRespiratoryDiseases	0.84	bar	charts	stats_dashboard
CerebrovascularDiseases	DiseasesofHeart	0.97	bar	charts	stats_dashboard
CerebrovascularDiseases	MalignantNeoplasms	0.9	bar	charts	stats_dashboard
CerebrovascularDiseases	NaturalCause	0.97	bar	charts	stats_dashboard
CerebrovascularDiseases	NephritisNephroticSyndromeandNephrosis	0.88	bar	charts	stats_dashboard
CerebrovascularDiseases	Septicemia	0.78	bar	charts	stats_dashboard
CerebrovascularDiseases	SymptomsSignsandAbnormalClinical	0.86	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	AccidentsUnintentionalInjuries	0.61	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	CerebrovascularDiseases	0.84	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	DiseasesofHeart	0.84	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	InfluenzaandPneumonia	0.72	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	MalignantNeoplasms	0.73	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	NaturalCause	0.84	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	NephritisNephroticSyndromeandNephrosis	0.66	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	OtherDiseasesofRespiratorySystem	0.73	bar	charts	stats_dashboard
ChronicLowerRespiratoryDiseases	SymptomsSignsandAbnormalClinical	0.66	bar	charts	stats_dashboard
DiabetesMellitus	AllCause	0.73	bar	charts	stats_dashboard
DiabetesMellitus	AlzheimerDisease	0.72	bar	charts	stats_dashboard
DiabetesMellitus	InfluenzaandPneumonia	0.58	bar	charts	stats_dashboard
DiabetesMellitus	MotorVehicleAccidents	0.65	bar	charts	stats_dashboard
DiabetesMellitus	NaturalCause	0.68	bar	charts	stats_dashboard
DiseasesofHeart	AccidentsUnintentionalInjuries	0.78	bar	charts	stats_dashboard
DiseasesofHeart	CerebrovascularDiseases	0.97	bar	charts	stats_dashboard
DiseasesofHeart	ChronicLowerRespiratoryDiseases	0.84	bar	charts	stats_dashboard
DiseasesofHeart	MalignantNeoplasms	0.88	bar	charts	stats_dashboard
DiseasesofHeart	NaturalCause	0.99	bar	charts	stats_dashboard

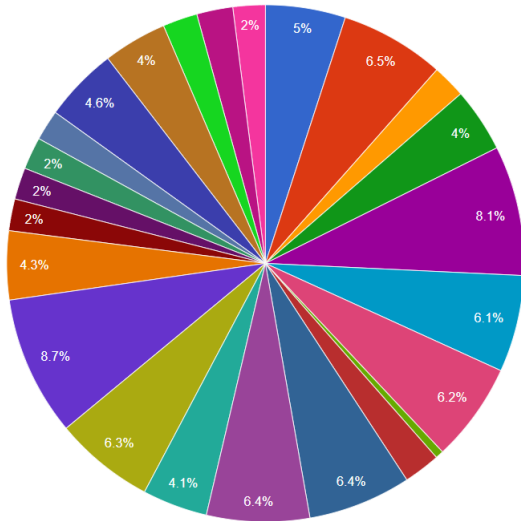
Here we can see that the highest Correlation coefficient is between Diseases of Heart and Cerebrovascular Diseases. And we shall use the RDL chart and the charts to demonstrate that.

Chart type:

X Axis: Y Axis: Aggregation function:

* PieChart shows data for the selected X Axis and Y Axis.
* BubbleChart, Gauge, Barkey show data for two selected fields from the X Axis list and one selected field from the Y Axis list.

Sum of [CerebrovascularDiseases] in group by [CerebrovascularDiseases.DiseasesofHeart]



Report Graphs: **monthly counts_of_death**

[Schedule report](#) [Help](#)

NaturalCause[All] month[All] rate[mid]

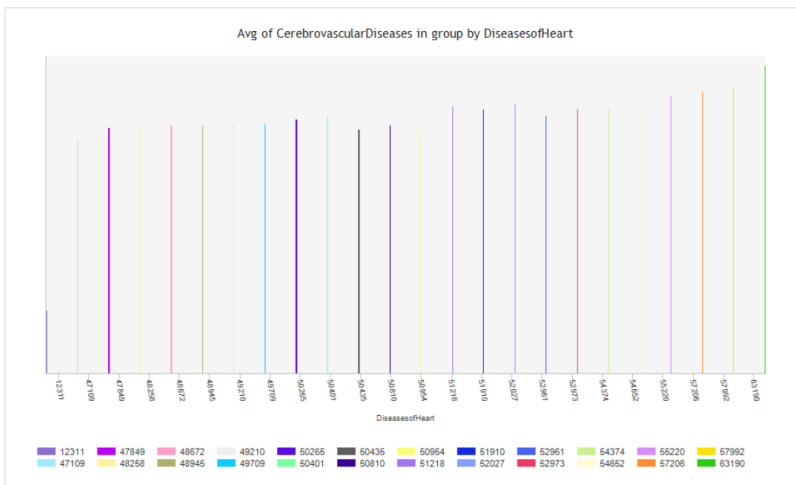
Graphs: axis X [DiseasesofHeart] and [DiseasesofHeart], axis Y [CerebrovascularDiseases] numeric, aggregate [Sum] [reverse group order](#)

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1 of 1

monthly counts_of_death

monthly_counts_of_deathstest0.rate=mid



Conclusion:

A meticulous and comprehensive analysis of a vast dataset spanning from 1990 to 2022 has unveiled a multitude of compelling trends in the realm of mortality over this substantial twenty-year period. Within this trove of data, one particularly striking revelation emerges - the unwavering predominance of natural causes of death. Not only have these natural causes retained their prominence, but they have also exhibited a discernible increase in prevalence over the course of these two decades. To put this into perspective, in 1990, the number of deaths attributed to natural causes stood at a substantial 188,322 cases in Cayuga County. As time flowed onward, this figure experienced a steady ascent, ultimately reaching approximately 193,541 cases by the year 2022 in Cayuga County. This substantial upward trajectory in the prevalence of natural causes of death is a trend that cannot be ignored and warrants earnest consideration.

Simultaneously, the data underscores a noteworthy competition between heart issues and Malignant Neoplasms, both vying for the position of the second most common causes of mortality in Cayuga County. In 1990, heart problems were responsible for approximately 46,909 cases, while Malignant Neoplasms accounted for a notable 48,331 cases. As the years unfolded, these numbers underwent transformations, and by the time 2022 rolled around, the statistics had shifted to approximately 49,709 cases for heart problems and approximately 49,792 for Malignant Neoplasms in Cayuga County. While the prevalence of heart problems remained more substantial throughout the entire two-decade period, Malignant Neoplasms consistently posed a significant health concern and emerged as a close and formidable second, challenging the status quo.

In light of this data in Cayuga County, it becomes undeniably evident that there exists an urgent imperative to address the issue of natural causes of death, as they present a substantial and escalating public health challenge. The consistent upward trajectory in the numbers of cases underscores the need for immediate attention and action in this regard. Moreover, this data serves as a resounding reminder of the continued importance of persistent efforts aimed at combating heart problems and Malignant Neoplasms. These two maladies have remained firmly entrenched as the top two non-natural causes of mortality throughout the two-decade period in Cayuga County. Their figures, while subject to some fluctuations, have largely remained stable, emphasizing the critical nature of sustained initiatives in addressing and managing these health concerns.

In conclusion, this in-depth analysis of data spanning from 1990 to 2022 provides a window into the evolving landscape of mortality trends in Cayuga County. The findings resonate with the importance of public health strategies and interventions, particularly in the face of the rising prominence of natural causes of death. Furthermore, it underscores the consistent challenges

posed by heart issues and Malignant Neoplasms in Cayuga County, reiterating the need for ongoing efforts in tackling these formidable adversaries to human health.

Sources: We have obtained our data set from a public website called **Data.Gov**
<https://catalog.data.gov>

Here is the link for our video: