



Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Information Technology
Department of
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Division: B

Roll No: 272028

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Subject Name & Code: ADUA21206 - Data Visualization

Title of Assignment: Data visualization using time series

Date of Performance: 7/11/2022

Date of Submission: 12/11/2022

Aim: Create visualization using any downloaded dataset/ created dataset for time series generation.

Problem Statement: Download data set from Kaggle/Tableau/data world. Create visualization using any downloaded dataset/ created dataset for time series generation.

Theory/Writeup:

Assignment no 05

PAGE NO.:

DATE: / /

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Data Visualization using time series : →

The write up : →

1. Use and need of time series :

Time series analysis help organization understand the underlying causes of trends or systematic pattern over time. using data visualization, business user can see seasonal trends and dig deeper into why these trends occur. with modern analytic platforms, these visualization can go far beyond line graph. Time series analysis with the built-in and time function that allow you to drag and drop to analyze time trend and easily perform time comparison, like year over year growth and moving averages. It is crucial to understanding your data. The ability to look forward and backward, to drill down from year to day and see data trend over different periods of time is essential for the most comprehensive analysis.

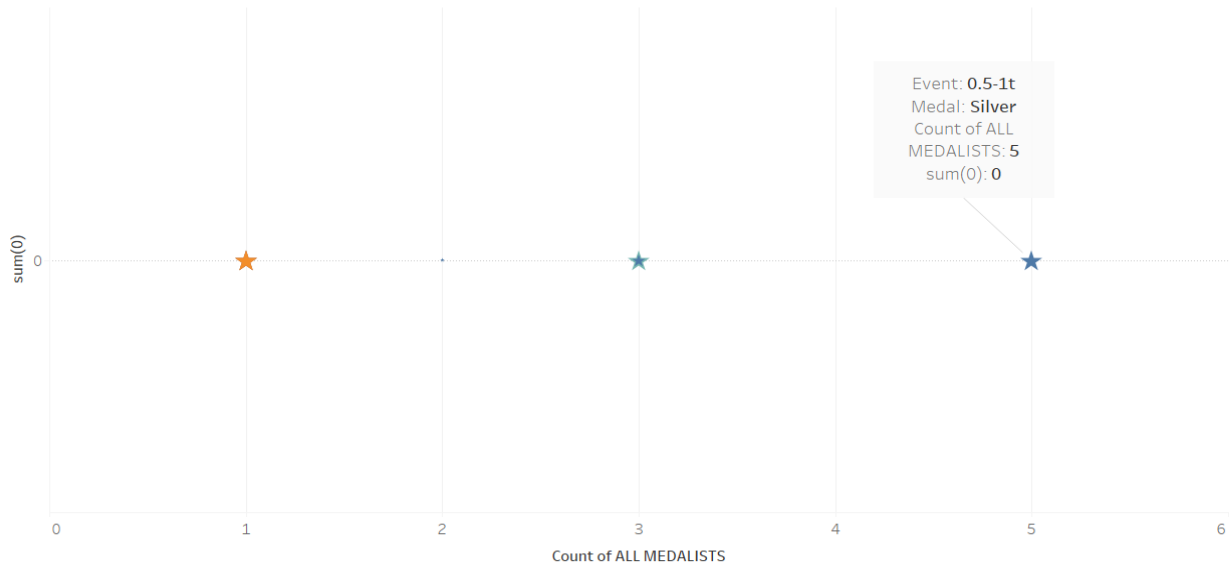
2. ~~This is the~~ Dataset detail :

This is the dataset of summer olympics medal winner which contains, city, year, sport type, Discipline, Name of Athlete, Gender and medal.

3. What is the visualization :

Here we are going to use time series graph. this is the most common data visualization instrument used to illustrate data point at a temporal scale where each point correspond to both time and the unit of measurement. In this visualization we are going to show event wise count of medalist.

Event Wise Count Of Medalists



Event

- 0.5-1t
- 1 mile (1609.3m)
- 1/4 mile (402.3m)
- 3miles team (4828m)
- 5 miles (8.046km)

Medal

- Bronze
- Gold
- Silver

Count of ALL MEDALISTS vs. sum(0). Color shows details about Event. Size shows details about Medal. The view is filtered on Event, which keeps 0.5-1t, 1 mile (1609.3m), 1/4 mile (402.3m), 3miles team (4828m) and 5 miles (8.046km).

ALL MEDALISTS 10,000 rows 10 fields										
ALL MEDALISTS Athlete	ALL MEDALISTS City	ALL MEDALISTS Discipli...	ALL MEDALISTS Event	ALL MEDALISTS Event gend...	ALL MEDALISTS Gender	ALL MEDALISTS Medal	ALL MEDALISTS NOC	ALL MEDALISTS Sport	ALL MEDALISTS Edition	
HAJOS, Alfred	Athens	Swimming	100m freestyle	M	Men	Gold	HUN	Aquatics	1896	
HERSCHMANN, Otto	Athens	Swimming	100m freestyle	M	Men	Silver	AUT	Aquatics	1896	
DRIVAS, Dimitrios	Athens	Swimming	100m freestyle for sailors	M	Men	Bronze	GRE	Aquatics	1896	
MALOKONIS, Ioannis	Athens	Swimming	100m freestyle for sailors	M	Men	Gold	GRE	Aquatics	1896	
CHASAPIIS, Spiridon	Athens	Swimming	100m freestyle for sailors	M	Men	Silver	GRE	Aquatics	1896	
CHOROPHAS, Efsthathios	Athens	Swimming	1200m freestyle	M	Men	Bronze	GRE	Aquatics	1896	
HAJOS, Alfred	Athens	Swimming	1200m freestyle	M	Men	Gold	HUN	Aquatics	1896	
ANDREOU, Joannis	Athens	Swimming	1200m freestyle	M	Men	Silver	GRE	Aquatics	1896	
CHOROPHAS, Efsthathios	Athens	Swimming	400m freestyle	M	Men	Bronze	GRE	Aquatics	1896	
NEUMANN, Paul	Athens	Swimming	400m freestyle	M	Men	Gold	AUT	Aquatics	1896	
PEPANOS, Antonios	Athens	Swimming	400m freestyle	M	Men	Silver	GRE	Aquatics	1896	
LANE, Francis	Athens	Athletics	100m	M	Men	Bronze	USA	Athletics	1896	
SZOKOLYI, Alajos	Athens	Athletics	100m	M	Men	Bronze	HUN	Athletics	1896	
BURKE, Thomas	Athens	Athletics	100m	M	Men	Gold	USA	Athletics	1896	
HOFMANN, Fritz	Athens	Athletics	100m	M	Men	Silver	GER	Athletics	1896	
CURTIS, Thomas	Athens	Athletics	110m hurdles	M	Men	Gold	USA	Athletics	1896	
GOULDING, Grantley	Athens	Athletics	110m hurdles	M	Men	Silver	GBR	Athletics	1896	
LERMUSIAUX, Albin	Athens	Athletics	1500m	M	Men	Bronze	FRA	Athletics	1896	
FLACK, Edwin	Athens	Athletics	1500m	M	Men	Gold	AUS	Athletics	1896	
BLAKE, Arthur	Athens	Athletics	1500m	M	Men	Silver	USA	Athletics	1896	
GMELIN, Charles	Athens	Athletics	400m	M	Men	Bronze	GBR	Athletics	1896	
BURKE, Thomas	Athens	Athletics	400m	M	Men	Gold	USA	Athletics	1896	
JAMISON, Herbert	Athens	Athletics	400m	M	Men	Silver	USA	Athletics	1896	
GOLEMIS, Dimitrios	Athens	Athletics	800m	M	Men	Bronze	GRE	Athletics	1896	
FLACK, Edwin	Athens	Athletics	800m	M	Men	Gold	AUS	Athletics	1896	
DANI, Nandor	Athens	Athletics	800m	M	Men	Silver	HUN	Athletics	1896	
VERGIS, Sotirios	Athens	Athletics	discus throw	M	Men	Bronze	GRE	Athletics	1896	
GARRETT, Robert	Athens	Athletics	discus throw	M	Men	Gold	USA	Athletics	1896	
PARASKEVOPOULOS, ...	Athens	Athletics	discus throw	M	Men	Silver	GRE	Athletics	1896	
CLARK, Ellery	Athens	Athletics	high jump	M	Men	Gold	USA	Athletics	1896	
CONNOLLY, James	Athens	Athletics	high jump	M	Men	Silver	USA	Athletics	1896	
GARRETT, Robert	Athens	Athletics	high jump	M	Men	Silver	USA	Athletics	1896	
CONNOLLY, James	Athens	Athletics	long jump	M	Men	Bronze	USA	Athletics	1896	
CLARK, Ellery	Athens	Athletics	long jump	M	Men	Gold	USA	Athletics	1896	
GARRETT, Robert	Athens	Athletics	long jump	M	Men	Silver	USA	Athletics	1896	
KELLNER, Gyula	Athens	Athletics	marathon	M	Men	Bronze	HUN	Athletics	1896	
LOUIS, Spyridon	Athens	Athletics	marathon	M	Men	Gold	GRE	Athletics	1896	
VASILAKOS, Kharilaos	Athens	Athletics	marathon	M	Men	Silver	GRE	Athletics	1896	
DAMASKOS, Evangelos	Athens	Athletics	pole vault	M	Men	Bronze	GRE	Athletics	1896	
THEODOROPOULOS, L...	Athens	Athletics	pole vault	M	Men	Bronze	GRE	Athletics	1896	
HOYT, William Welles	Athens	Athletics	pole vault	M	Men	Gold	USA	Athletics	1896	
TYLER, Albert	Athens	Athletics	pole vault	M	Men	Silver	USA	Athletics	1896	
PAPASIDERIS, Georgios	Athens	Athletics	shot put	M	Men	Bronze	GRE	Athletics	1896	
GARRETT, Robert	Athens	Athletics	shot put	M	Men	Gold	USA	Athletics	1896	

Tableau Public Profile Link:

https://public.tableau.com/app/profile/siddhesh.dilip.khairnar/viz/B_28_SiddheshKhairnar_DV_ASS5/Sheet