

# EDA of Olympic Analysis

## Original dataset

	Olympiad	Discipline	Event	Winner	Medal_type
0	Athina 1896	Artistic Gymnastics	Horizontal Bar, Men	Hermann Weingärtner	Gold
1	Athina 1896	Artistic Gymnastics	Horizontal Bar, Men	Alfred Flatow	Silver
2	Athina 1896	Artistic Gymnastics	Horizontal Bar, Teams, Men	Germany	Gold
3	Athina 1896	Artistic Gymnastics	Horse Vault, Men	Hermann Weingärtner	Bronze
4	Athina 1896	Artistic Gymnastics	Horse Vault, Men	Carl Schuhmann	Gold
5	Athina 1896	Artistic Gymnastics	Horse Vault, Men	Louis Zutter	Silver
6	Athina 1896	Artistic Gymnastics	Parallel Bars, Men	Alfred Flatow	Gold
7	Athina 1896	Artistic Gymnastics	Parallel Bars, Men	Louis Zutter	Silver
8	Athina 1896	Artistic Gymnastics	Parallel Bars, Teams, Men	Ethnikos Gymnastikos Syllogos	Bronze
9	Athina 1896	Artistic Gymnastics	Parallel Bars, Teams, Men	Germany	Gold

(20433, 12)

## After handling missing values

	Olympiad	Discipline	Event	Winner	Medal_type
0	Athina 1896	Artistic Gymnastics	Horizontal Bar, Men	Hermann Weingärtner	Gold
1	Athina 1896	Artistic Gymnastics	Horizontal Bar, Men	Alfred Flatow	Silver
2	Athina 1896	Artistic Gymnastics	Horizontal Bar, Teams, Men	Germany	Gold
3	Athina 1896	Artistic Gymnastics	Horse Vault, Men	Hermann Weingärtner	Bronze
4	Athina 1896	Artistic Gymnastics	Horse Vault, Men	Carl Schuhmann	Gold
5	Athina 1896	Artistic Gymnastics	Horse Vault, Men	Louis Zutter	Silver
6	Athina 1896	Artistic Gymnastics	Parallel Bars, Men	Alfred Flatow	Gold
7	Athina 1896	Artistic Gymnastics	Parallel Bars, Men	Louis Zutter	Silver
8	Athina 1896	Artistic Gymnastics	Parallel Bars, Teams, Men	Ethnikos Gymnastikos Syllogos	Bronze
9	Athina 1896	Artistic Gymnastics	Parallel Bars, Teams, Men	Germany	Gold

(20433, 12)

After handling duplicates

	Olympiad	Discipline	Event	Winner	Medal_type
0	Athina 1896	Artistic Gymnastics	Horizontal Bar, Men	Hermann Weingärtner	Gold
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(20427, 12)

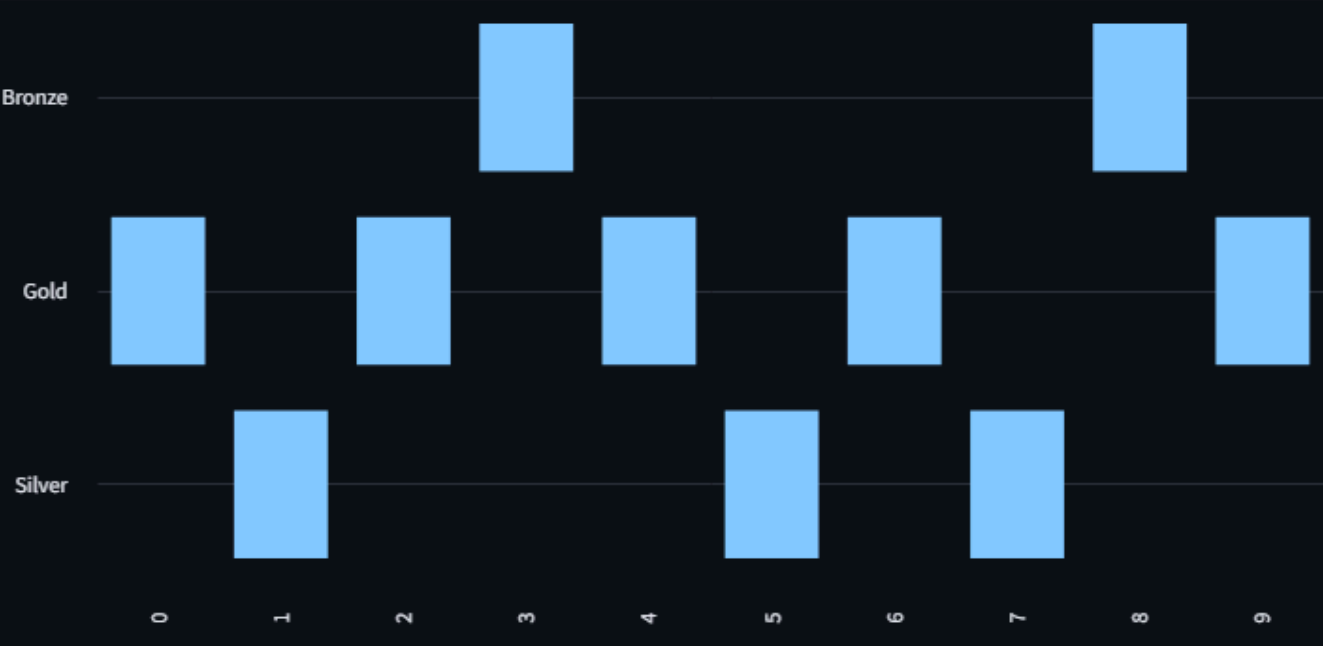
Data Visualization:

Select X-axis column

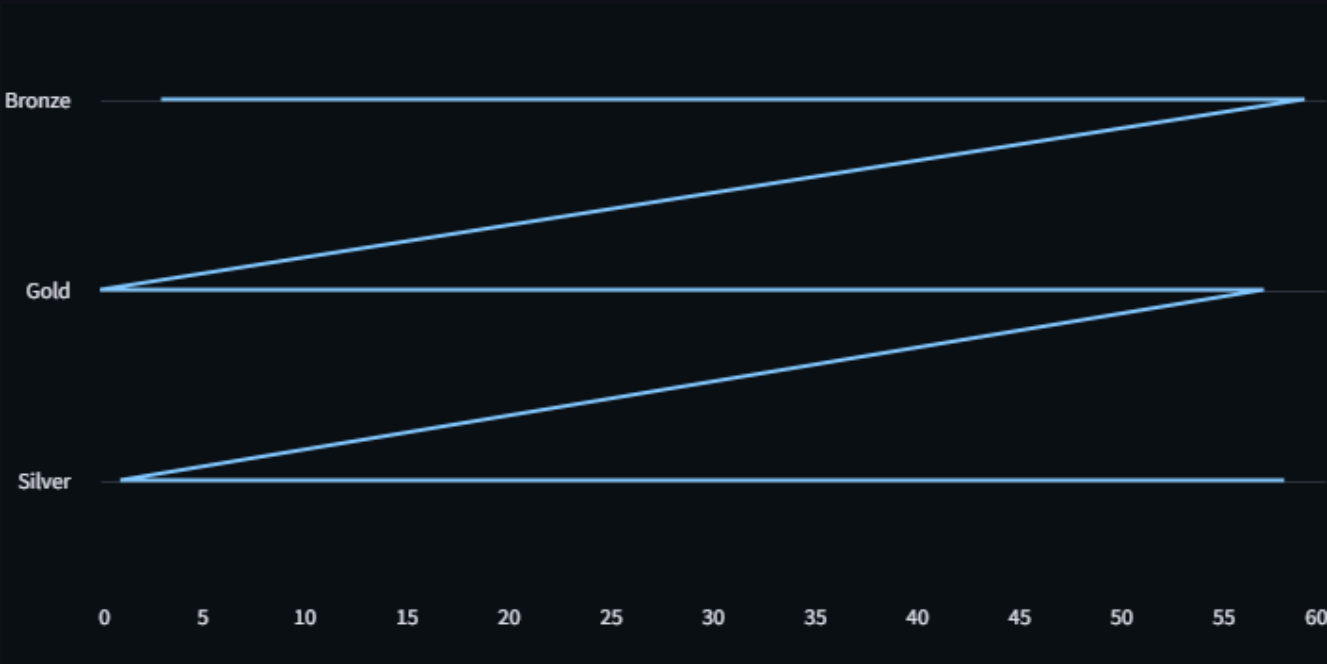
Medal\_type

▼

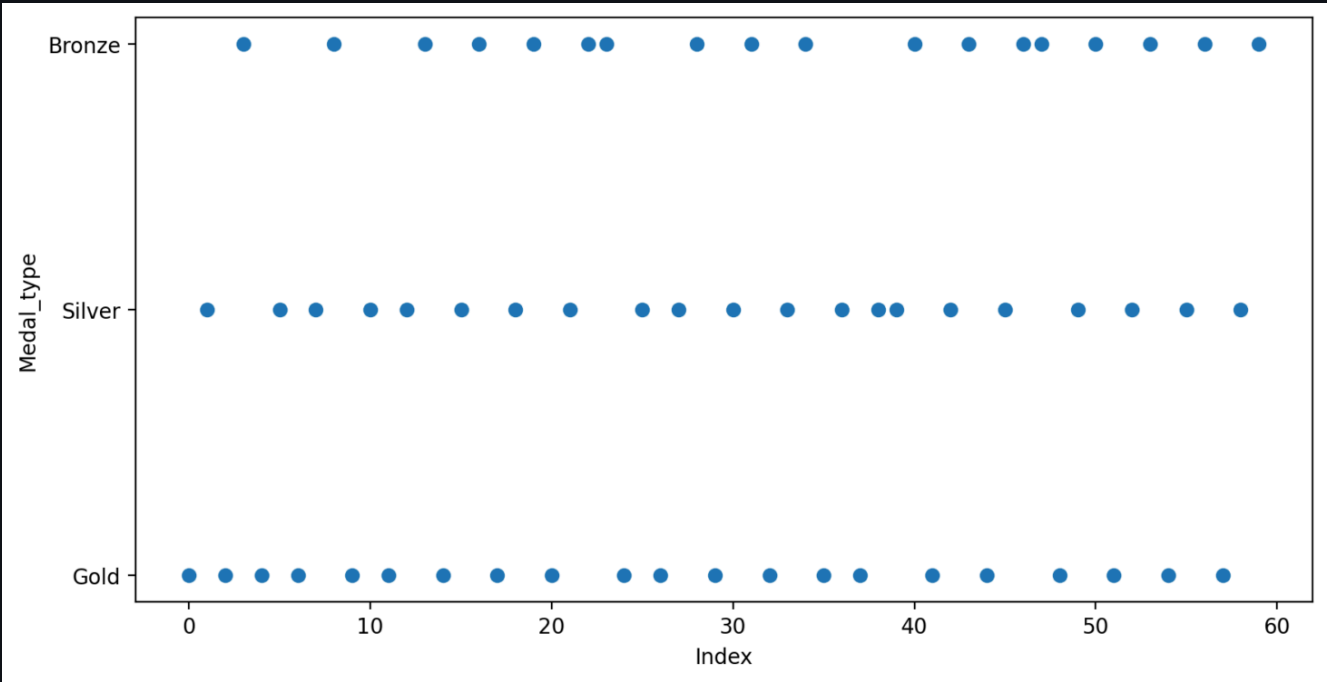
Bar Chart



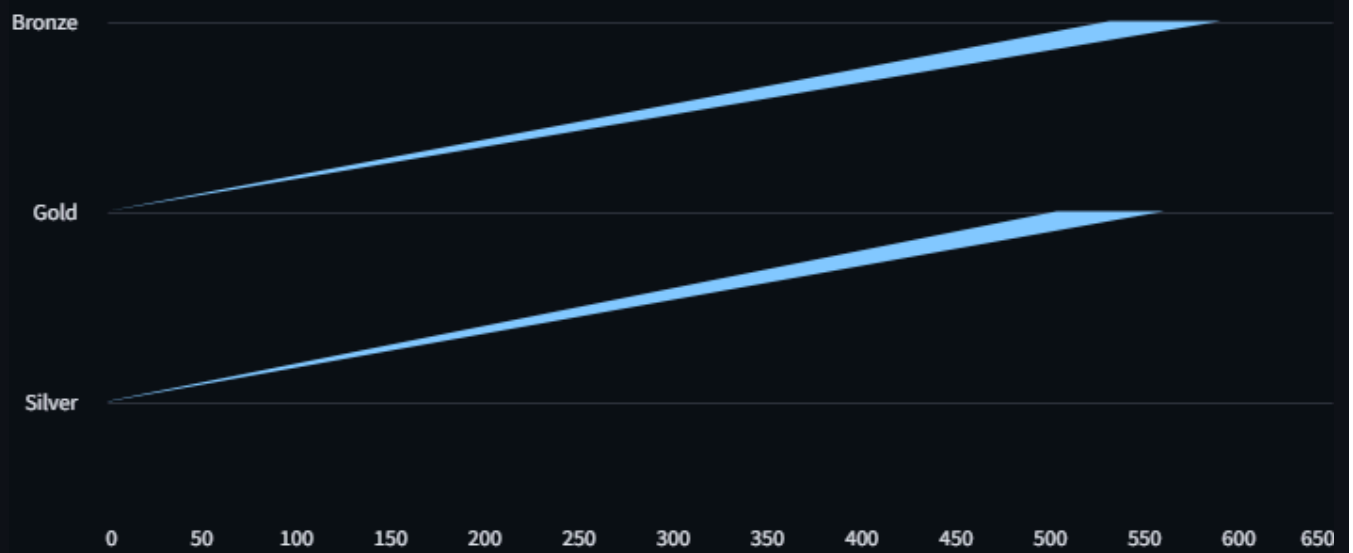
# Line Chart



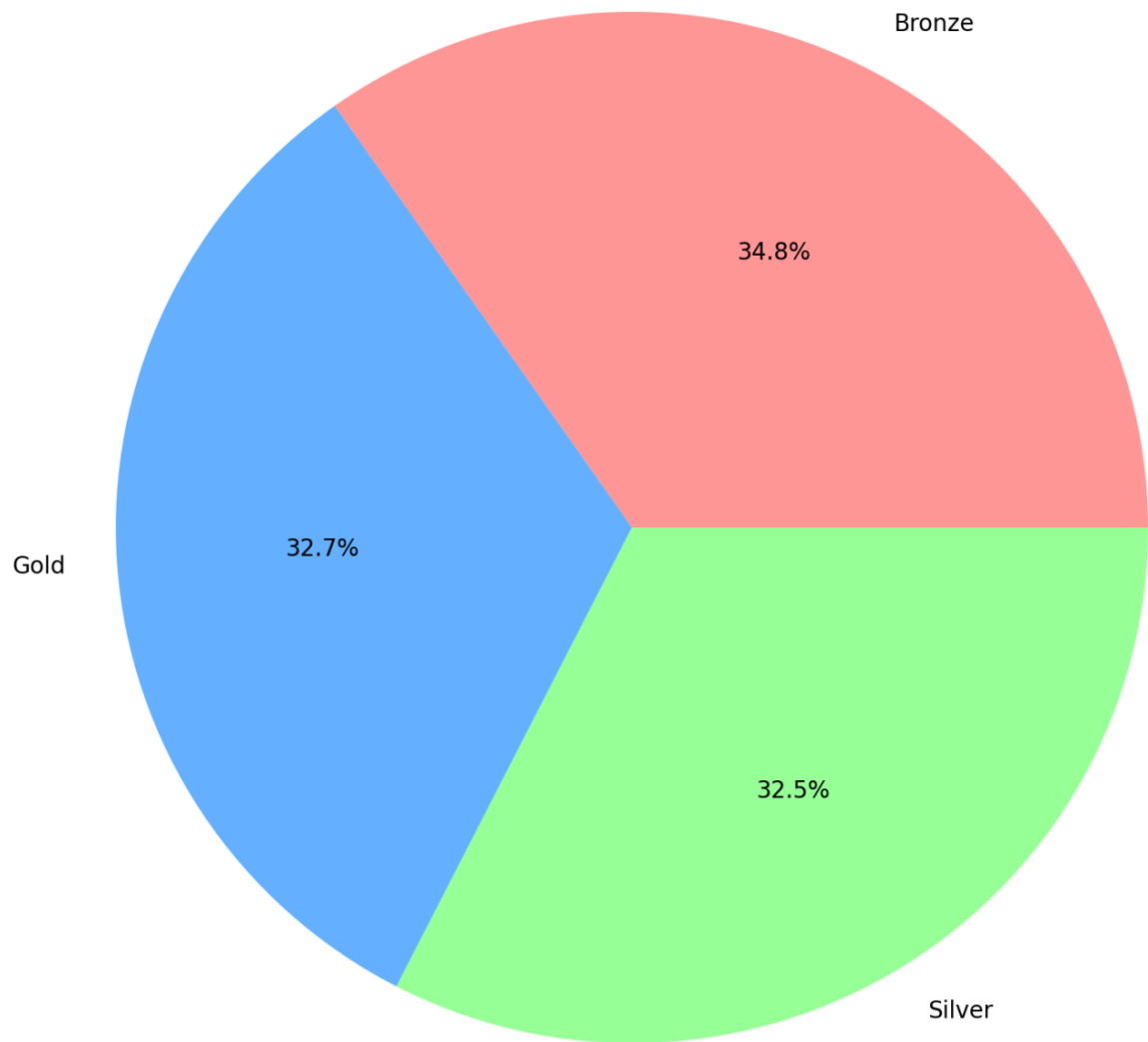
# Scatter Plot



# Area Chart



## Pie chart using matplotlib



Barh chart using matplotlib

