

<b>Athletes Analysis</b>	<b>Demographic insights</b> Analyze athlete demographics such as age, gender, height, and weight distributions across different sports and time periods	<b>Performance tracking</b> Evaluate individual athlete performance across multiple Games, tracking career progression and medal achievements	<b>Physical characteristics</b> Investigate correlations between physical attributes (height/weight) and sport-specific performance success
<b>Games Analysis</b>	<b>Temporal trends</b> Analyze Games evolution from 1992–2012, comparing Summer vs. Winter Games participation and growth patterns	<b>Host city impact</b> Assess the distribution of Games across different host cities and their geographic/economic characteristics	<b>Seasonal patterns</b> Compare participation rates, event types, and medal distributions between Summer and Winter sOlympics
<b>Events Analysis</b>	<b>Sport diversification</b> Categorize events by sport types and analyze the evolution of Olympic disciplines over time	<b>Competition structure</b> Evaluate event formats, gender distribution across different sports, and competitive balance	<b>Medal distribution</b> Identify patterns in Gold, Silver, Bronze, and non-medal (NA) outcomes across different events
<b>Region Analysis</b>	<b>Geographic representation</b> Assess global participation patterns using NOC codes and region names to identify geographic trends	<b>National performance</b> Analyze country-wise medal tallies and success rates across different sports and time periods	<b>Regional dominance</b> Investigate which regions excel in specific sports and identify emerging Olympic nations
<b>Performance Analysis</b>	<b>Medal achievement patterns</b> Analyze medal distribution across athletes, identifying factors that contribute to Olympic success	<b>Age and performance correlation</b> Evaluate optimal age ranges for different sports and track athlete longevity in Olympic competition	<b>Multi-Games participation</b> Study athletes who competed in multiple Games to understand career trajectories and sustained excellence