Dimension	Sub-Analysis	Description
Games Analysis	Historical Timeline	Track the evolution of Olympic Games from 1896 onward. Includes frequency, changes in hosting pattern, etc.
	Summer vs Winter Games	Compare structure, participation, and events between Summer and Winter editions.
	Host Cities & Nations	Analyze cities/countries that hosted the Games and the frequency of hosting.
Sport/Event Analysis	Sport Categories	Classify and analyze all sports across editions.
	Gender-Based Event Distribution	Evaluate the growth of gender representation in events (Men's, Women's, Mixed).
	Event Popularity & Evolution	Identify which sports/events gained or lost popularity over time.
Participant Analysis	Demographics of Athletes	Analyze age, gender, height, and weight of athletes across editions.
	Participation Trends	Track number of athletes per edition, per region, and per gender.
	Multi-Representation Athletes	Identify athletes who represented multiple countries over time.
Medal Analysis	Medal Distribution by Country	Aggregate medals won by country, across editions.
	Athlete-Level Medal Achievement	Track individual athletes with highest medal tallies.
	Medal Trends Over Time	Study changing patterns in medal wins by regions, sports, and nations.
Regional Representation	NOC Mapping & Participation	Analyze National Olympic Committees' involvement and entry patterns.
	Geopolitical Influence on Sports	Evaluate how world events (e.g., wars, independence) affected regional participation.
Performance Insights	Top Performing Athletes & Countries	Identify top competitors and medal-rich countries.
	Medal Efficiency	Medals won per participant or event for each country.
	Hosting vs Performance Correlation	Check whether host countries win more medals.

Sports Analysis