

SHORT TERM INTERNSHIP

DATA ANALYTICS

PROJECT REPORT

PROJECT NAME

**OLYMPICS SPORTS PARTICIPATION
AND PERFORMANCE**

TEAM MEMBERS

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Introduction :-

The Olympic games, often referred to as the Olympics, represent one of the most significant and celebrated international sporting events in the world. This quadrennial spectacle transcends geographical, cultural, and political boundaries, uniting nations in the spirit of competition, camaraderia, and human achievement. In this report, we embark on a comprehensive journey through the history, organization, and impact of the Olympics, seeking to shed light on the multifaceted aspects of this global phenomenon.

Overview of the Olympics:-

- The Olympics, both ancient and modern, are a significant international sporting event.
- Ancient Olympics began in 776 BC in Olympia, Greece, while the modern Olympics were revived in Athens in 1896.
- The Games emphasize core values of friendship, respect, and excellence.
- The Olympics occur every four years and include both summer and winter games.

→ The Olympics serve as a platform for fostering international understanding, diplomacy, and peace.

1. To provide a comprehensive History:-

→ To offer a detailed historical account of the Olympics, covering their origins in ancient Greece and the development into the modern Olympics games.

2. To explore Olympic values and ideals:-

→ To examine the core values of the Olympics, such as friendship, respect, and excellence, and how they are upheld in the modern era.

3. To discuss Olympic organization:-

→ To explain the structure and roles of organizations like the International Olympic Committee (IOC) and National Olympic Committees (NOCs).

4. To describe Olympic events and sports:-

→ To list and categorize the various sports and events featured in the Olympics and discuss changes and innovations.

5. To highlight significant Olympic moments:-

→ To showcase memorable moments, records, and achievements in the history of the Olympics,

focusing on legendary athletes.

6. To examine economic and social impact:-

To analyze the economic and social impact of hosting the Olympics on host cities and the international community.

7. To Address challenges and controversies:-

To explore controversies related to doping, politics, and human rights, as well as challenges faced by host cities.

8. To discuss the future of the Olympics!-

To speculate on potential changes and innovations in the Olympic games and their sustainability in the modern world.

9. To convey the ongoing significance:-

To emphasize the continued importance and relevance of the Olympics on the global stage, in terms of sports, diplomacy, and culture.

10. To educate and inform:-

To provide a well-researched and informative resource for readers interested in understanding the Olympics comprehensively.

The purpose of creating a project report about the Olympics is to offer a comprehensive and informative resource that educates, informs, and delves into the multi-faceted aspects of this globally celebrated sporting event. This report aims to serve as an educational tool, providing readers with a historical insight into the Olympic games' evolution, from their ancient origins in Greece to their modern-day significance. It underscores the fundamental Olympic values of friendship, respect, and excellence and how these principles promote sportsmanship and international understanding. Furthermore, the report sheds light on the organizational structure of the Olympics, including the roles played by the International Olympic Committee and National Olympic Committees. It comprehensively covers the diversity of sports featured in the games, celebrating remarkable achievements and legendary athletes.

structure of a literature survey on an existing problem and approaches to solve it:-

Introduction:-

- Introduce the problem under investigation and its significance.
- Define the objectives of the literature survey.

Problem description:-

- Provide a comprehensive overview of the problem, including its historical context and current relevance.

Search strategy:-

- Explain your approach for identifying literature sources related to their problem and its potential solutions.

Literature Review on the problem:-

- Summarize existing research and literature that addresses the problem.
- Include key statistics or data related to the problem's prevalence or impact.

Approaches and Methods to solve problem:-

- Summarize various approaches, methods, & solutions that have been proposed in the literature

Integration and synthesis:-

Identify common themes, patterns, or gaps in the literature related to the problem and its solutions
conceptual framework:-

Develop a conceptual framework that integrates the identified approaches and methods.

Conclusion:-

- summarize the main findings of the literature survey.
- discuss how the approaches or methods to solve the problem have evolved over time.

References:-

List all the sources you have reviewed and cited in your literature survey.

key steps for conducting the literature survey:-

1. Define the problem:- clearly define the problem you are addressing in your literature survey.
2. Search for relevant literature:- utilize academic databases, research journals, books, and other sources to find literature related to the problem and its solutions.
3. Select sources:- choose sources that are most relevant and credible, considering factors such as the source's

- authority, relevance, and publication date.
4. Analyze and summarize:- summarize key findings, methodologies, and main arguments in the literature that pertain to the problem and its solutions.
 5. Critically evaluate:- Assess the strengths and weaknesses of the proposed approaches or methods.
 6. Organize and synthesize:- organize the source into themes or categories, and synthesize the information to identify commonalities and trends.
 7. Write the literature survey:- follow the structure outlined above to create your literature survey, ensuring clarity, coherence, and logical flow.
 8. Revise and proofread:- carefully edit and proofread your literature survey to ensure clarity and accuracy.
- Proposed solutions in a research report:-
1. Identify the problem:- Begin by clearly defining the problem and its key aspects. It's essential to have a deep understanding of the problem before proposing solutions.

2. Review existing solutions:- Before suggesting new solutions, review existing approaches or methods that have been applied to address the problem.

3. Purpose new solutions:-

→ Best practices: If there are established best practices in the field, recommend their adoption as a solution.

→ Adaptation: consider how solutions from related areas or industries could be adapted to address the problem.

4. Explain the rationale: provide a clear rationale for why your proposed solutions are likely to be effective.

5. Methodology:- Describe how the proposed solutions will be implemented. This may involve outlining specific steps, processes, or methodologies.

6. Benefits and outcomes:- Discuss the potential benefits and outcomes of the proposed solutions.

7. Feasibility:- consider the feasibility of implementing your solutions. Discuss any potential challenges, costs, & resources required.

8. Timeline:- if relevant, provide a timeline for the implementation of the solutions.

9. Monitoring and evaluation:- Explain how you will monitor and evaluate the effectiveness of the proposed solutions.

10. Contingency plans:- Anticipate potential obstacles or failure and outline contingency plans to address them.

Conclusions:-

summarize the proposed solutions, their benefits and the expected impact on the problem.

Recommendations:-

conclude by making clear and concise recommendations based on the proposed solutions. Offer actionable steps for stakeholders & decision-makers to consider.

final findings and results:-

1. Executive summary:- Begin with a concise executive summary that provides an overview of your project, its objectives, methodologies, and the key findings.

Introduction:-

Introduce the project, its scope, and the research questions or objectives.

Methodology:-

Describe the research methods, tools, and techniques used in your project.

Main findings:-

Present the key findings of your project, organized in a clear and structured manner.

Conclusions:-

Summarize the main findings, draw conclusions, and highlight their implications and contributions to the field.

Recommendations: If applicable, suggest recommendations based on your findings.

Limitations: Acknowledge any limitations or constraints that may have affected the project's findings.

References: Include citations for all the sources, studies, and data you used in your project.

Appendices: If you have additional data, supplementary information, or an extensive number of screenshots, include them in an appendix.

Advantages of the proposed solutions:-

1. Effectiveness:- The solution effectively addresses the identified problem, providing tangible benefits and positive outcomes.
2. Efficiency:- It improves the efficiency of processes, reducing time, resources, or costs required to achieve the desired results.
3. Scalability:- The solution is scalable, capable of accommodating growth or increased demand without significant modifications.
4. Versatility:- It offers flexibility and adaptability to changing conditions, making it suitable for diverse applications.
5. User-friendly:- The solution is user-friendly, making it accessible and easy to use for stakeholders and end-users.
6. Safety and security:- It enhances safety and security measures, reducing risks and vulnerabilities.

Disadvantages of the proposed solution:-

1. Cost:- The solution may incur significant upfront or ongoing costs that could strain the budget.
2. Complexity:- It might be complex to implement and require specialized knowledge or training.
3. Resistance to change:- Stakeholders may resist the change, leading to adoption challenges and potential pushback.
4. Limited compatibility:- The solution may not seamlessly integrate with existing systems or technologies, causing disruptions.
5. Maintenance and support- ongoing maintenance and support requirements can be demanding in terms of time and resources.
6. Data privacy and security:- concerns about data privacy or security breaches could arise with certain solutions.

Application Areas for the proposed solution :-

- 1. Healthcare
- 2. Education
- 3. Business & finance
- 4. E-commerce
- 5. Manufacturing
- 6. Transportation & logistics
- 7. Energy & sustainability
- 8. Agriculture

Conclusion:-

1. Restate the problem & objectives:-

Begin by restating the problem or research question your project aimed to address.

2. Summary of findings:-

Provide a brief but comprehensive overview of the main findings of your research.

3. Implications:-

Discuss the practical and theoretical implications of your findings.

4. Relevance to the problem:-

Emphasize how your findings directly relate to the initial problem statement.

5. Limitations:-

Acknowledge any limitations or constraints that may have affected the research. This shows objectivity and transparency.

Future scope students:-

1. Advanced features and functionality :-

Identify additional features or functionalities that could be integrated into the solution to enhance its capabilities.

2. Technological Advancements:-

Consider how emerging technologies or trends in the field could be leveraged to improve solution.

3. Scaling and expansion:-

Discuss the potential for scaling up the solution to accommodate a larger user base, more extensive data sets, or broader application areas.

4. Performance optimization:-

Explore ways to enhance the performance of the solution, such as reducing latency, improving response times, or minimizing resource usage.

ID compared to Team

136K ↑

ID

1.18K (+11,350.25%)

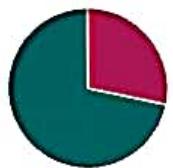
Team

Sex, Medal_count, Season

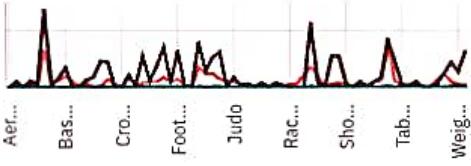
Sex	Medal_count	Season
F	1,811	Winter
	9,442	Summer

Medal_count by Sex,
Medal_count

Sex - Medal_count
M|0 F|0 F|1 M|1



Year, Medal_count by Sport



Sport

66

Sport

Sport colored by Sport sized by

City

City (Count distinct)

1 23

Sport

Aeronautics



City colored by City sized by Year

Year (Count distinct)

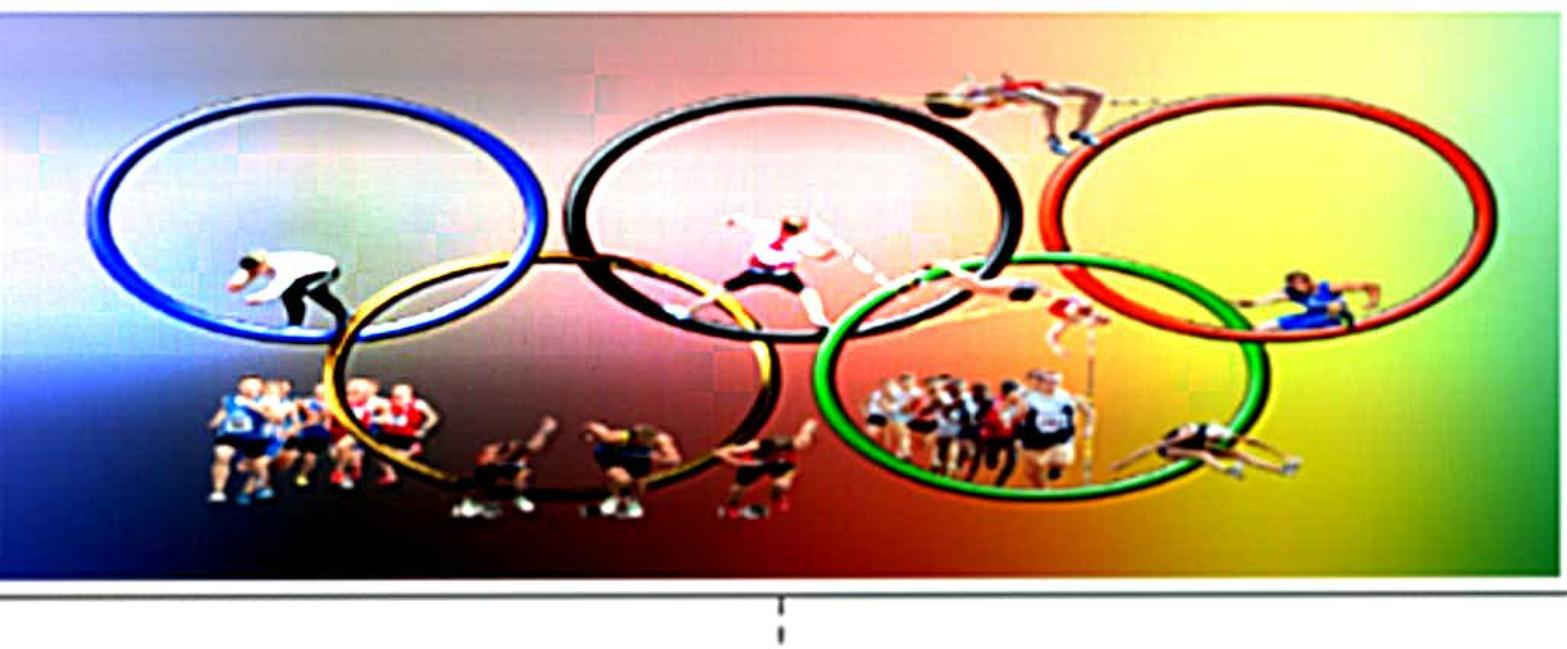
1 3

City

Austria, China, France, Germany, Italy, Japan, Norway, Sweden, Switzerland, United Kingdom, United States

Innsbruck
Los Angeles
Sankt Moritz
Paris
London
Athina
Stockholm
Lake Placid

Olympic Sports Participation And Performance



CITIES COLOURED BY YEAR

- The overall number of results for Year is over 271 thousand.

City colored by City sized by Year

Year (Count distinct)



City



NUMBER OF SPORT

- Year 1896 has the lowest Sport at 9.0, followed by 1994 at 12.0
- Year 1992 has the highest Sport at 41.0, followed by 1988 at 37.0
- From 1992 to 1994, Sport dropped by 71%.
- The overall number of results for Sport is over 271 thousand.

Sport

66

Sport

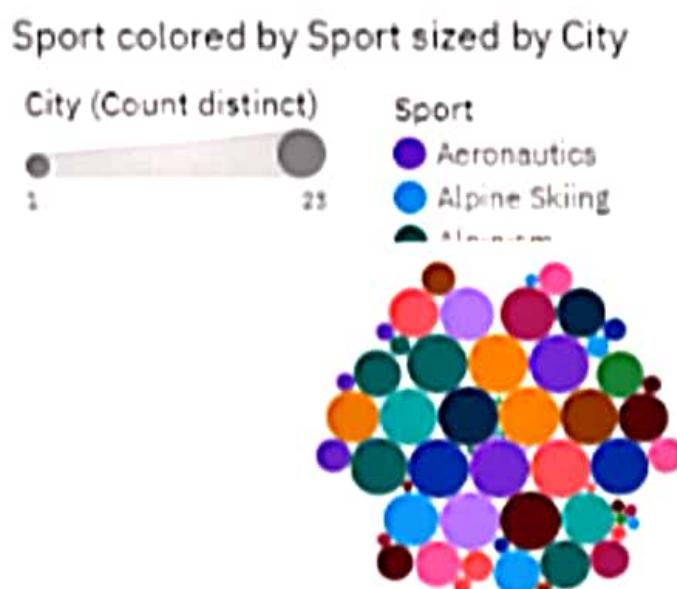
Male and female won medals in this season

Sex, Medal_count, Season

Sex	Medal_count	Season
F	1,811	Winter
	9,442	Summer
Summary		11,253
M	3,884	Winter
	24,646	Summer

Sport coloured by cities

- Sport Athletics has the highest City due to Year 1896.
- Year 1992 has the highest City at 41, out of which Sport Shooting contributed the most at 1.
- Modern Pentathlon has a City of 1 for Year 1912.
- Athletics is the most frequently occurring category of Sport with a count of 38,624 items with City values (14.2% of the total).
- The overall number of results for City is over 271 thousand.



Medals won by male and female

- Medal_count is unusually high when Sex · Medal_count is M|1.
- Over all values of Sex · Medal_count, the sum of Medal_count is 2.
- Medal_count ranges from 0, when Sex · Medal_count is F|0, to 1, when Sex · Medal_count is F|1.

Medal_count by Sex, Medal_count

Sex · Medal_count

● F|0 ● M|0 ● F|1 ● M|1



