

# HOW DO PROJECT MANAGEMENT STATISTICS HELP IN BETTER DECISION- MAKING?



## What Is Project Management Statistics?

Project management statistics refer to the collection, analysis, and interpretation of data related to project planning, execution, and performance. These statistics help project managers understand how projects progress over time and identify patterns that influence outcomes.

Common metrics used in project management statistics include project completion rates, schedule variance, budget variance, task completion time, resource utilization, and risk probability. By evaluating these metrics, managers can determine whether a project is on track or requires adjustments. Essentially, project management statistics transform raw project data into actionable insights that guide better planning and decision-making.



# Benefits

Data-Driven Decision Making



Improved Project Planning



Better Resource Allocation



Increased Project Success Rate



<https://empmonitor.com/blog/project-management-statistics/>



# Techniques Used in Project Management Statistics



## Trend Analysis

Trend analysis examines historical project data to identify patterns and predict future outcomes.



## Earned Value Management (EVM)

EVM measures project performance by comparing planned progress with actual results.



## Risk Analysis

Statistical methods help evaluate the probability and impact of potential project risks.



## Performance Metrics Tracking

Tracking key metrics such as schedule variance and cost variance helps monitor project health.



## Data Visualization

Charts, dashboards, and graphs make complex project statistics easier to understand and analyze.



# Conclusion

Project management statistics play a crucial role in helping organizations make smarter and more informed decisions. By analyzing reliable data, project managers can improve planning, optimize resource allocation, identify risks early, and monitor project performance effectively. While there are challenges such as data accuracy and analysis complexity, the advantages far outweigh the drawbacks. In modern project management, leveraging statistical insights is no longer optional, it is a necessity for achieving better outcomes, improving efficiency, and ensuring long-term business success.

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