Shark Tank India: Investment Analysis Report (2-Page Summary)
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Abstract

This project analyzes Shark Tank India investment patterns using Excel, Python, and Power BI. It uncovers investor behavior, startup success factors, geographic trends, and sectoral preferences. Findings highlight investor psychology, industry success patterns, and equity negotiation strategies that influence deal outcomes, providing valuable insights for entrepreneurs, investors, and policymakers.

Introduction

Shark Tank India offers a unique window into the Indian startup ecosystem, showcasing how investor decisions are shaped by pitch quality, equity positioning, and market potential. This study bridges the gap by systematically analyzing data from multiple seasons to provide data-driven insights into successful investment strategies.

Tools Used

• **Excel:** Data cleaning, pivot tables, validation
• **Python (Pandas, NumPy, Matplotlib, Seaborn):** Exploratory analysis, correlation, visualization
• **Power BI:** Interactive dashboards, KPIs, DAX
• **Supporting Tech:** Jupyter Notebook, Git, CSV/Excel

Steps Involved in Building the Project

Phase 1: Data Acquisition – Compiled episode-wise startup, investor, and funding data.
Phase 2: Preprocessing – Cleaned datasets in Excel & Pandas, standardized industries, detected outliers.
Phase 3: Exploratory Data Analysis – Summary statistics, correlation matrices, heatmaps, distributions.
Phase 4: Dashboard Development – Built 4 Power BI dashboards (Investor, Industry, Geography, Pitch).
Phase 5: Insight Generation – Identified top investors, equity-deal success links, sectoral patterns.
Phase 6: QA & Documentation – Validated metrics, tested dashboards, and prepared project documentation.

Conclusion

This 2-page study highlights critical success factors in Shark Tank India: Aman Gupta emerges as the most active investor, Maharashtra leads geographically, Beauty & Fashion dominates industry success, and solo founders with 8–12% equity offers achieve the highest deal probability. The framework of Excel, Python, and Power BI enables a replicable, data-driven approach to investment analysis, enhancing startup strategies and investor decision-making in India's growing entrepreneurial ecosystem.