Capstone, Part 1: Topic Options

Topic 1: SpaceX

Problem Statement: The challenge is to analyze the factors influencing the success of SpaceX Falcon 9 rocket first stage landings and to provide actionable insights for a competing startup entering the space launch industry. By leveraging data analytics, the goal is to understand historical patterns, identify potential optimization strategies and enhance the competitiveness of the startup against SpaceX.

Data from: <https://en.wikipedia.org/wiki/List_of_Falcon_9_and_Falcon_Heavy_launches?utm_medium=Exinfluencer&utm_source=Exinfluencer&utm_content=000026UJ&utm_term=10006555&utm_id=NA-SkillsNetwork-Channel-SkillsNetworkCoursesIBMDS0321ENSkillsNetwork26802033-2021-01-01>

Topic 2: English Premier League

Problem Statement: The challenge is to analyze team performance in the English Premier League and identify factors contributing to success or failure. The goal is to provide insights that can assist team managers in making informed decisions related to player recruitment, game strategies and overall team optimization.

Topic 3: Electric Vehicles

Problem Statement: The challenge is to analyze the adoption and usage patterns of electric vehicles and provide insights for stakeholders, including policymakers and businesses, to support the growth of the EV market. The goal is to understand the factors influencing EV adoption, charging infrastructure needs and potential barriers to widespread usage.