Capstone Project Ideas by James Olmstead

1. Mobile App Data: This project will use the Kaggle dataset containing data on mobile strategy game apps including ratings, game category, in-app purchases, etc. My question will be to determine which factors most influence the rating of the different games and test to see if I can build a model to predict the rating of a game given those other factors.
2. Chess Game Data: This project will use the Kaggle dataset of a list of chess games from the site LichChess. The data includes a list of the game moves, the ELO rating of white and black, the result of the game, time controls, etc. My question will be to determine which opening moves or sequences have the best chance at winning the game at different ELO brackets. As an experienced chess player, I already have some idea of the best openings in theory, so I could see if the data supports that.
3. 2016 Presidential Election Data: This project would use the dataset of 2016 survey responders answering a wide range of questions about political candidates and preferences in the 2016 presidential election. My question will be to determine if we can build a model that can categorize different types of voters based on political preference, geography, and other factors.