**Introduction- Patrick (3 mins)**

Hello & welcome. My name is Patrick Dobry and I represent Group 6. Our team members are Kylie Hicks, Kaiya Hull & David Hyde. We chose movies as our subject of exploration for the machine learning project & final. Imagine yourself as a production office executive and needing information on new releases to determine the gross amount of revenue your company would make for a particular movie. This is the crystal ball that we created with our project. It is also fun to explore new releases as we head into the summer blockbuster season. The type of regression models we considered using included Linear, Lasso, and Ridge Regression. We will also have a dashboard with a user interface that allows users to enter details regarding a pending release and the machine learning model will predict the movie's gross revenue. At the end of our presentation, we will demonstrate a real live movie, Flowers of the Killer Moon, by Martin Scorsese & Leonardo DiCaprio to predict the revenue. Now to talk more about our data exploration phase, here is Kylie Hicks.

**Data Exploration, Database, & Cleaning- Kylie (3 mins)**

Kaggle Dataset

**Machine Learning Model- David (4 mins)**

* 1. **Describe linear regression**
  2. **Explain Ridge model**
  3. **Talk about limitations of the model**
  4. **Share results/accuracy score**

**Conclusion & Demo- Kaiya (5 mins)**

1. Describe Dash Plotly
2. Model demo:
   1. Avatar 2
   2. Top Gun