Speaker Notes
Commit to the Git
Final Presentation

Slide	Slide Content	Speaker	Notes
1	Title Slide	Kyle	Evening greeting
2	Why?	Kyle	Past experiences & genuine interest
3	Tableau - Maps	Kyle	Ground ourselves about demographics. Med Inc provides an idea of wealth, comparing against the Pov Rate gives an idea of wealth disparity (& likely poorer health outcomes). Population + size gives an idea around density.
4	Hypotheses	Savannah	We were exploring the null hypothesis that walkability and public transit WOULD lead to better health outcomes. This was based on our own experiences of having increased/decreased access to healthy foods / wellness activities.
5	Data Sources	Savannah	Primary data sources were taken from government entities (Census, CDC, USDA). These datasets provided us with wide-ranging data (across the US)
6	Narrowing the Data	Savannah	Specific area of concern for us as we began the project. Our ideas were big (and big data was available) but needed to be narrowed. Slides describe our narrowing process and how it led us to our final datasets.
7	Tools and Languages	Savannah	Discuss the choice of SQL & Jupyter Notebook, paired with Tableau visualizations.
8	Choosing a Model	Rowena	We needed a supervised machine learning model (didn't want to reduce using PCA, needed feature importance to graph individual features), and a regressor model (Continuous values). Random forest has regressor model (also reduces overfitting, doesn't require normalization)
9	Modeling Process	Rowena	4 different datasets with Census Tract Number as the common link. Clean data -> SQL (merge) -> model, drop location columns,

			create X and Y features for two models. Split each model train_test_split, run model, calculate accuracy, feature importance, save data for visualization (Top 3 in feature importance, walkability, public transit)
10	RFR Results	Rowena	Calculate MAPE (mean absolute percentage error) for each prediction, subtract mean of MAPEs from 100 to get accuracy. Life expectancy accuracy is 96.67%
11	RFR Results	Rowena	Obesity accuracy is 88.33%
12	Feature Importance	Chris	Walkability and Obesity
13	Feature Importance	Chris	Walkability and Life
14	Tableau - O & LE	Chris	Discuss each feature in the tableau story
15	Conclusion	Chris	Fail to reject the null hypoth
16	Challenges	Charles	Git commits errors, finding data and getting them to merged together, finding the right model to use
17	Recommendations for Future Analysis	Charles	Income
18	Thanks	charles	Thanks
19	Citations	Charles	The end!!!!!!!

Chris will share his screen for slides and navigate to Tableau.
Team members will say, “on the next slide” and continue speaking to cue Chris to change slides.
Team members will meet at 6:40 on presentation day to rehearse and review.
Charles and Savannah made the slides..