# Presentation (Rough Draft v .1)

## Title Slide

* "Child, Adolescent, Adult Autism: What Change?
* Sub-title: Is Jaundice a significant predictor? Is ethnicity a significant predictor?
* Autism Logo
* Bethel Tech powered by Woz U
* Team member names

## Your Background

* You should have a slide for each team member that covers your background. Talk about your previous education, employment, or subject matter expertise. Tell folks where you are currently or were last employed.

## Project Introduction / Background

* What is ASD?
  + Basic facts about autism and statistical impact in America.
* Explain ASD test app
  + Objective of test is to give someone an indication that they need to visit a healthcare professional.
  + Explain 10 Questions and how they were research based. Give references. Identify the groups by type of questions and not by age groups

## Methods

* Data came from ASDtest.com
* Flow Chart starting with a cell phone with ASD App open and it branches out to 3 datasets (Child, Adolescent, Adult)
* Data Wrangling
  + Cleaned Data (In both R and Python)
  + Eliminated non-relevant data
  + Recoded, Dummy coded, combined
  + Extracted Yes responses
  + (show the 742 responses)
    - asd\_all.csv
* Chi-Square
  + Mutate
* Machine Learning
  + Stepwise Regression
    - Optimized variable to use in RF.
    - Found that Jaundice was not significant predictor
    - Found Asian and White were significant predictors
    - How good of predictors where they in RF?

## Results

* Chi-square
* Stepwise Regression
* Random Forest
* Image Analysis

## Summary

## Conclusions

* List thank you to Meredith and Devin

## Questions