

Outcome Predictor

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- What your application does
 - My application predicts the outcome for the patient based on their symptoms and diagnosis through a Logistic Regression model.
- How and why you chose the model used
 - I chose the Logistic Regression model after initially want to predict the disease based on the symptoms given. After doing a decision tree and random forest classification, I saw they were not as accurate as I would want the model to be. So I changed the goal to predicting patient outcomes based on the symptoms and diagnosis of the patient.
 - Decision Tree Accuracy: 7.8%
 - Logistic Regression Accuracy: 84%
- What project methodology you followed
 - Data sources used: [Disease Dataset](#)
 - Target goal was patient outcome.
 - Logistic regression model used to predict outcome.
 - Model used to produce Dash app
- Next steps for making this an operational product/application
 - The next step would be to actually get the application to work. For me, the point of this project was more creating a model of my own based on data that wasn't just given to me. My goal was to just have a decently accurate model that would predict what I needed it to. I think I achieved that with this model even if I couldn't get the app to work correctly.
- What you learned/still have questions about
 - I learned that I am not good at formatting for an application. I learned that I do enjoy creating predictive analytic models and hope to get to contribute to more projects like this in the future.