

Name: **Lucas Cooke**

MAKE SURE EACH SCREENSHOT SHOWS YOUR NAME SOMEWHERE

- 1) Include a screenshot of the code showing how you separated your dataset into target (y) and predictor (X) variables. ✓
- 2) Include a screenshot showing that you normalized/scaled your predictor variables. ✓
- 3) Include a screenshot of the code that splits your dataset into training and testing sets. ✓

```
#Lucas Cooke
#split into target and predictor
y = data["Outcome"]
x = data.drop(["Outcome"], axis=1)

#normalize our data
from sklearn.preprocessing import StandardScaler
scaler = StandardScaler()
x_scaled = scaler.fit_transform(x)
x_scaled

#split our data into training and testing sets
from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(x_scaled, y, test_size=0.30, random_state=22)
```

- 4) Include a screenshot of the code that trains your logistic regression model.

```
#Lucas Cooke
#train the model
from sklearn.linear_model import LogisticRegression
lr = LogisticRegression()
lr.fit(X_train, y_train)
y_pred = lr.predict(X_test)
```

5) Include a screenshot of your predicted values (y_{pred}) and actual values (y_{test}).

[illegible]

6) Include a screenshot of the accuracy score of your model.