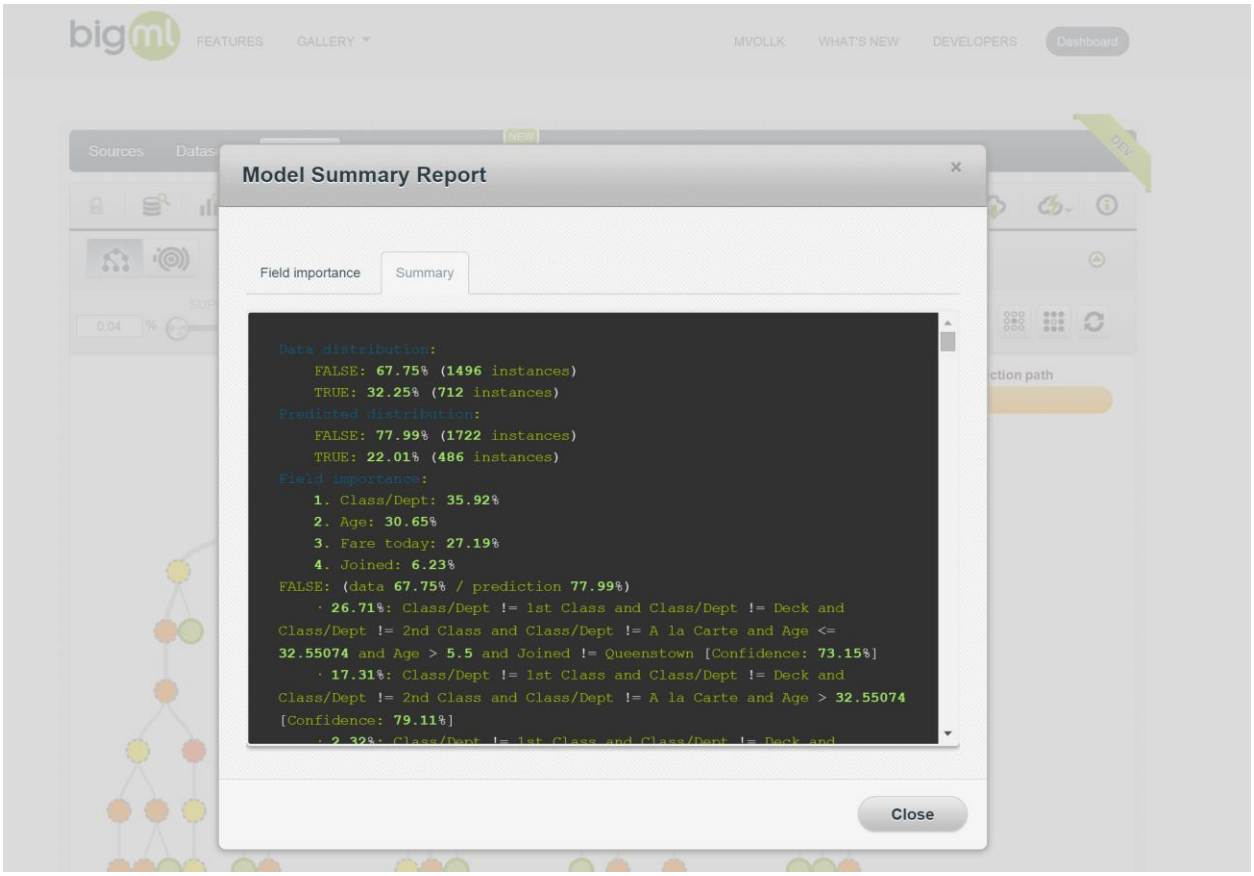
Part 1

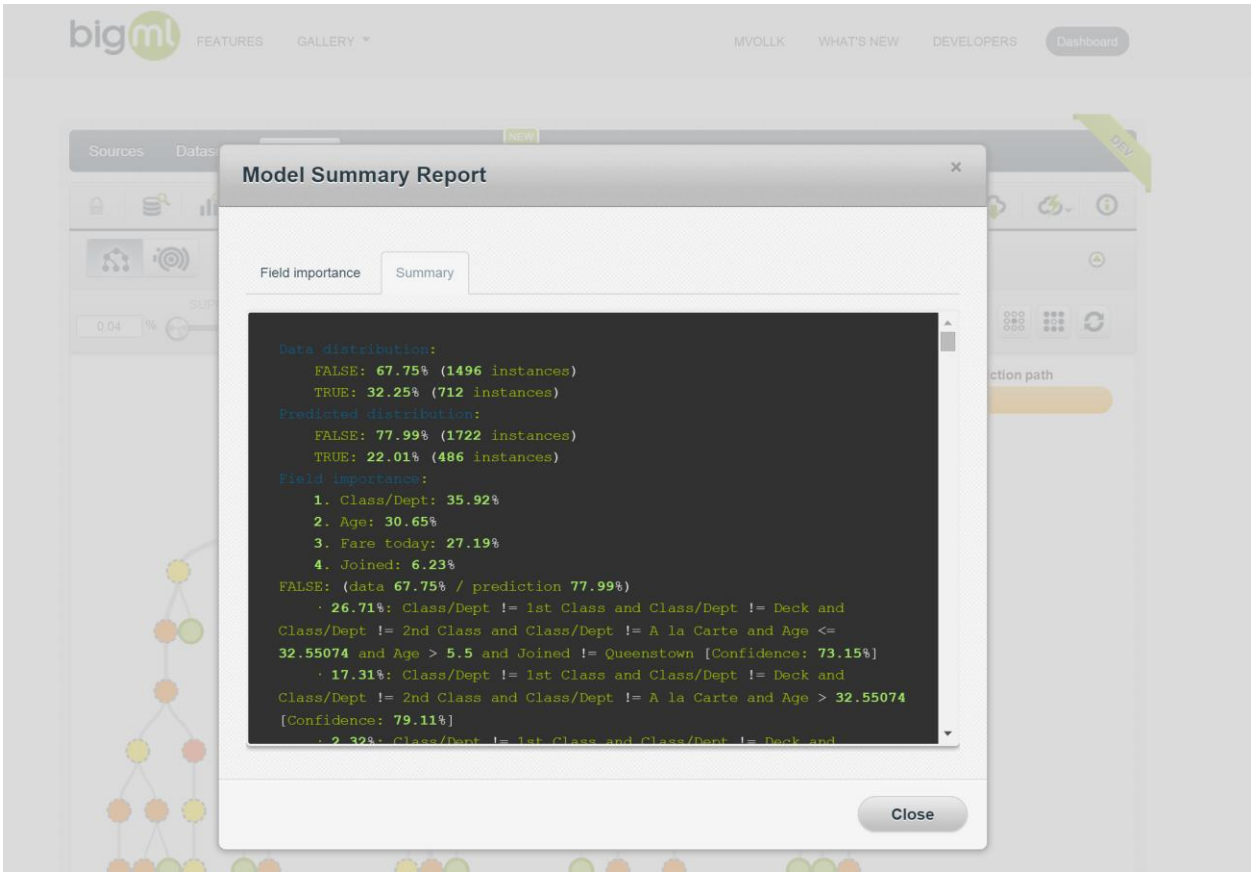
1.1

712 survived



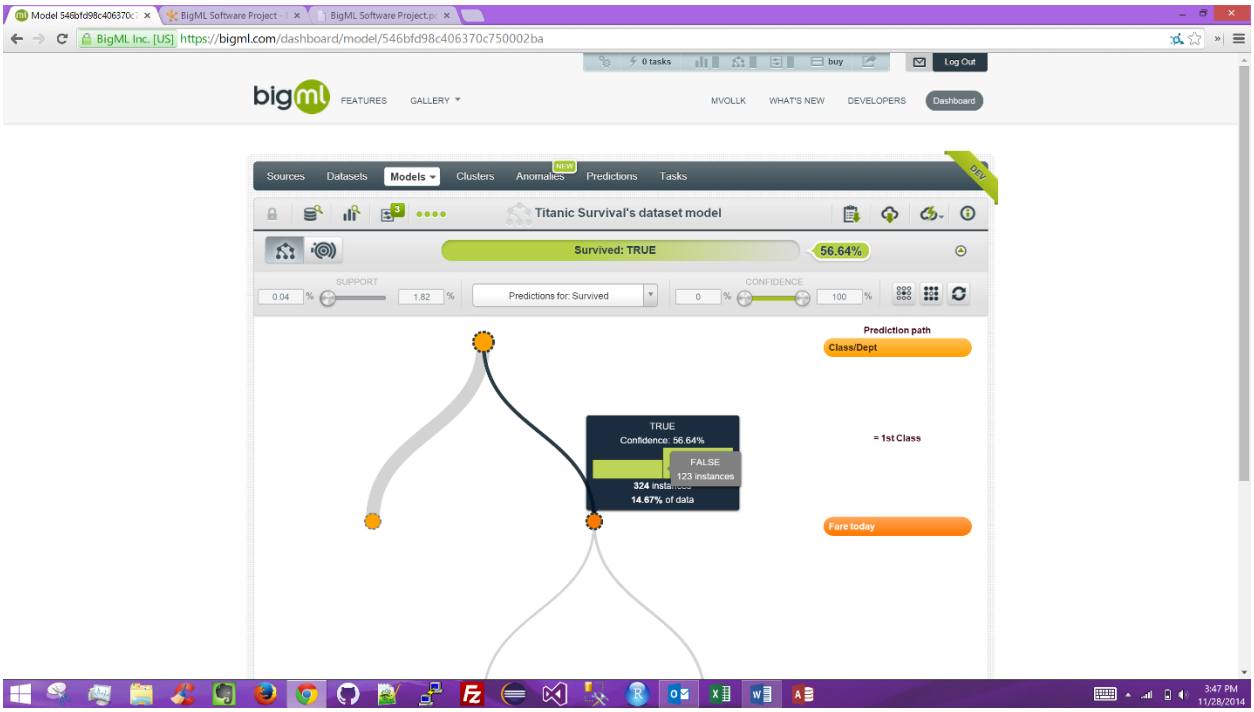
1.2

67.75% survived



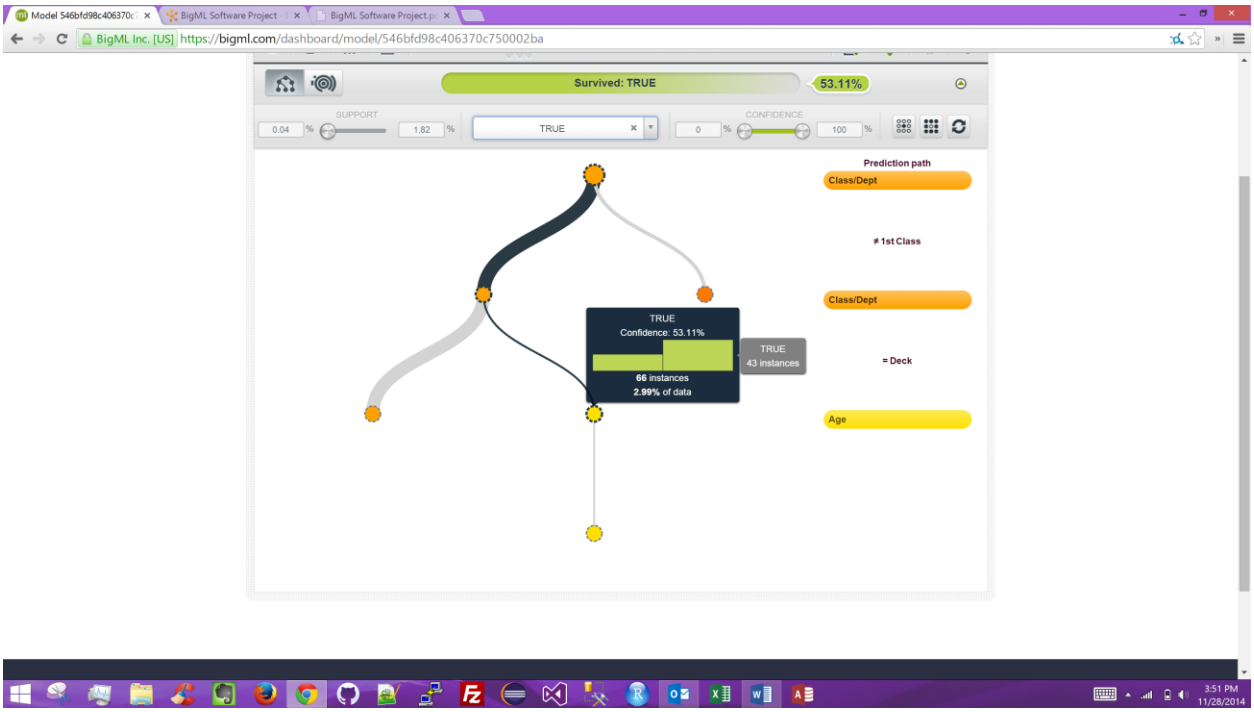
First class

123 people died, 201 survived. So 201/(123+201) = 62.04%



Deck

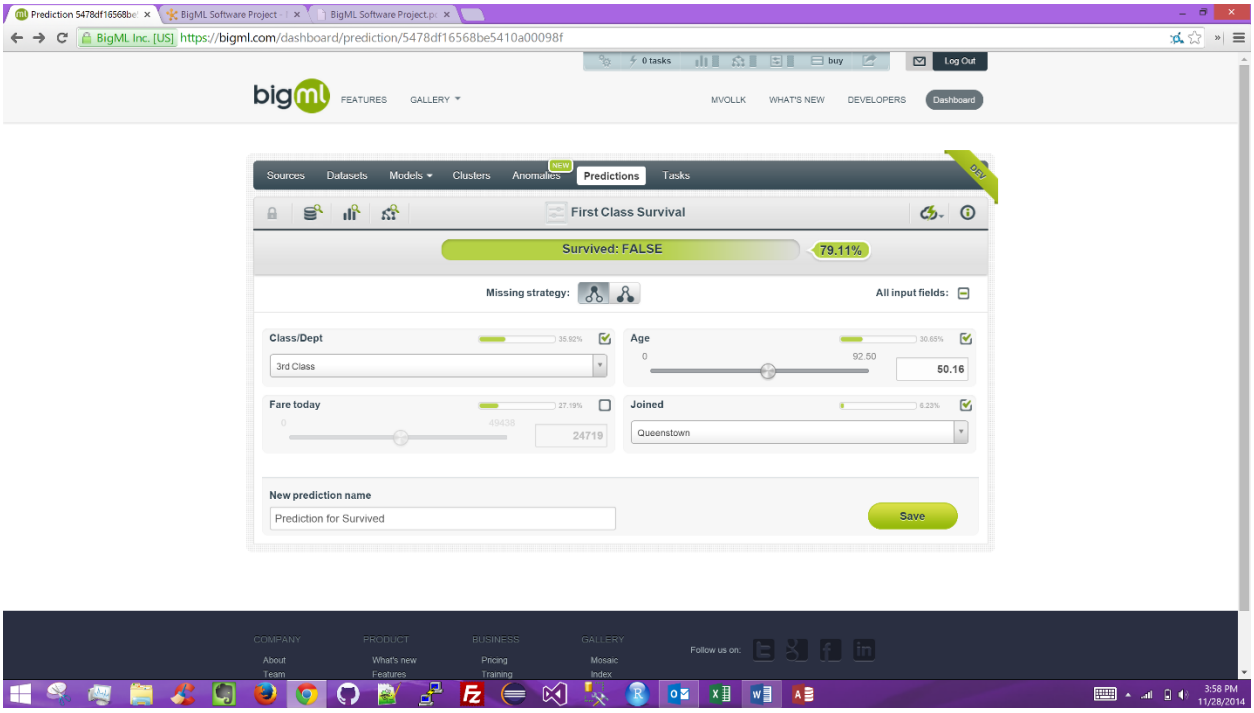
43 people on deck survived. 23 died. So 43/66 = 65.12%



1.3

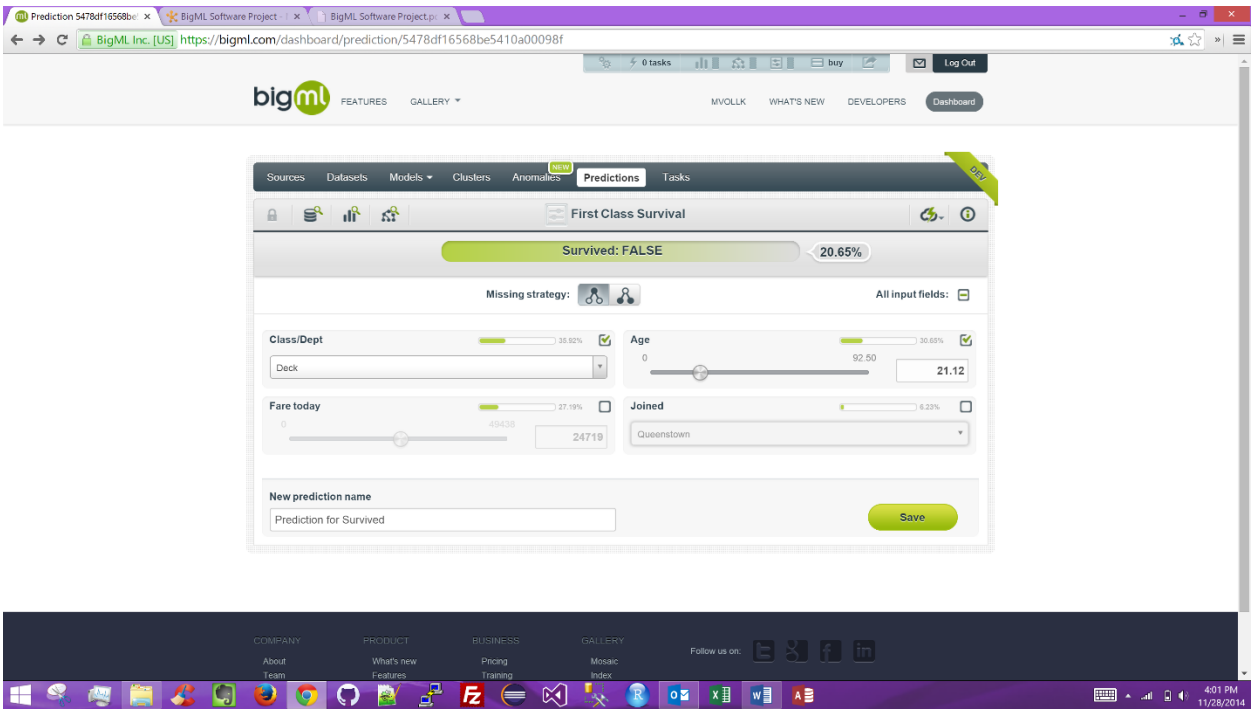
a) Class/Dept = 3rd class, Age = 50.16, Joined = Queenstown

1- 79.11% = 20.89%



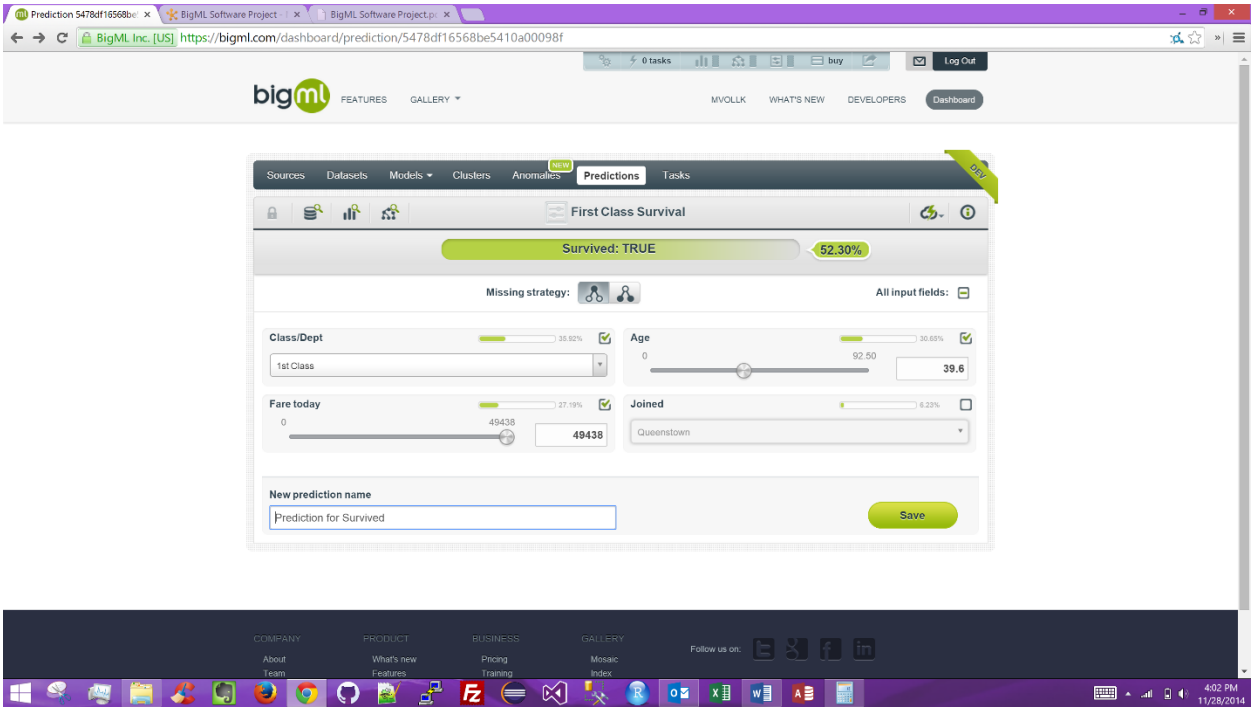
b) Class/Dept = Deck, Age = 21.12

1-20.65% = 79.35%



c) Class/Dept = 1st class, Fare = 49,438, Age = 39.6

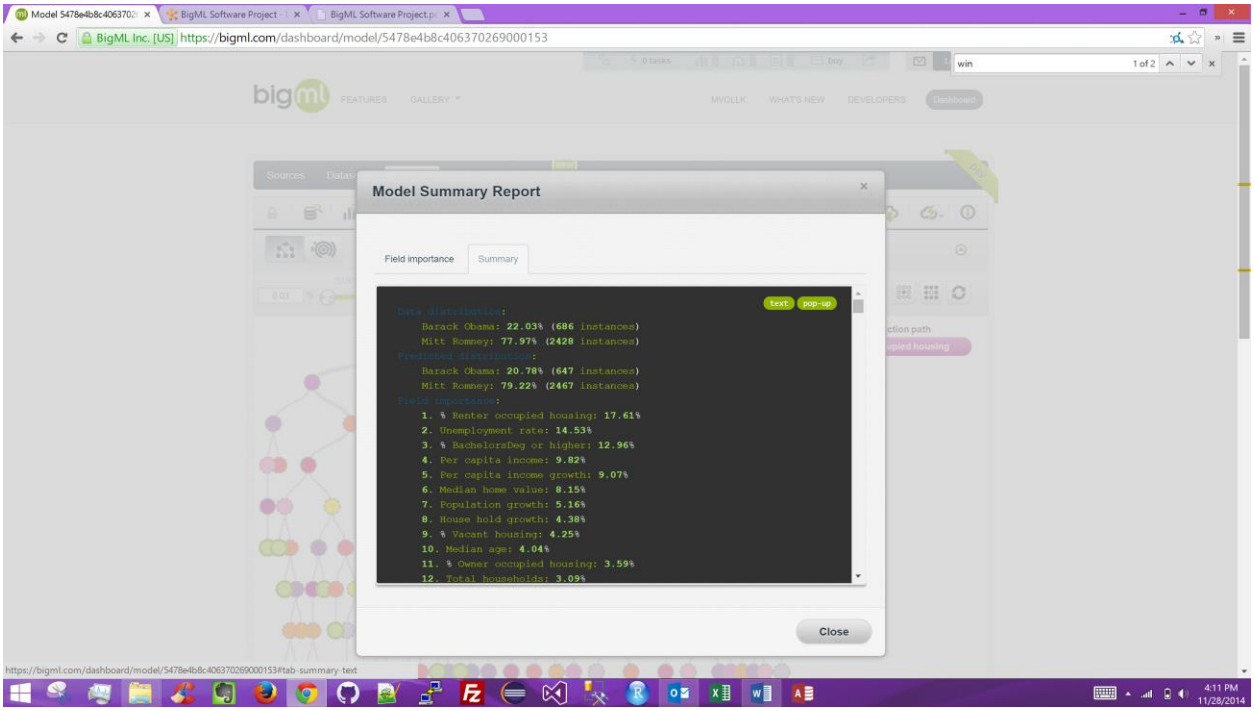
1- 52.30% = 47.70%



Part 2

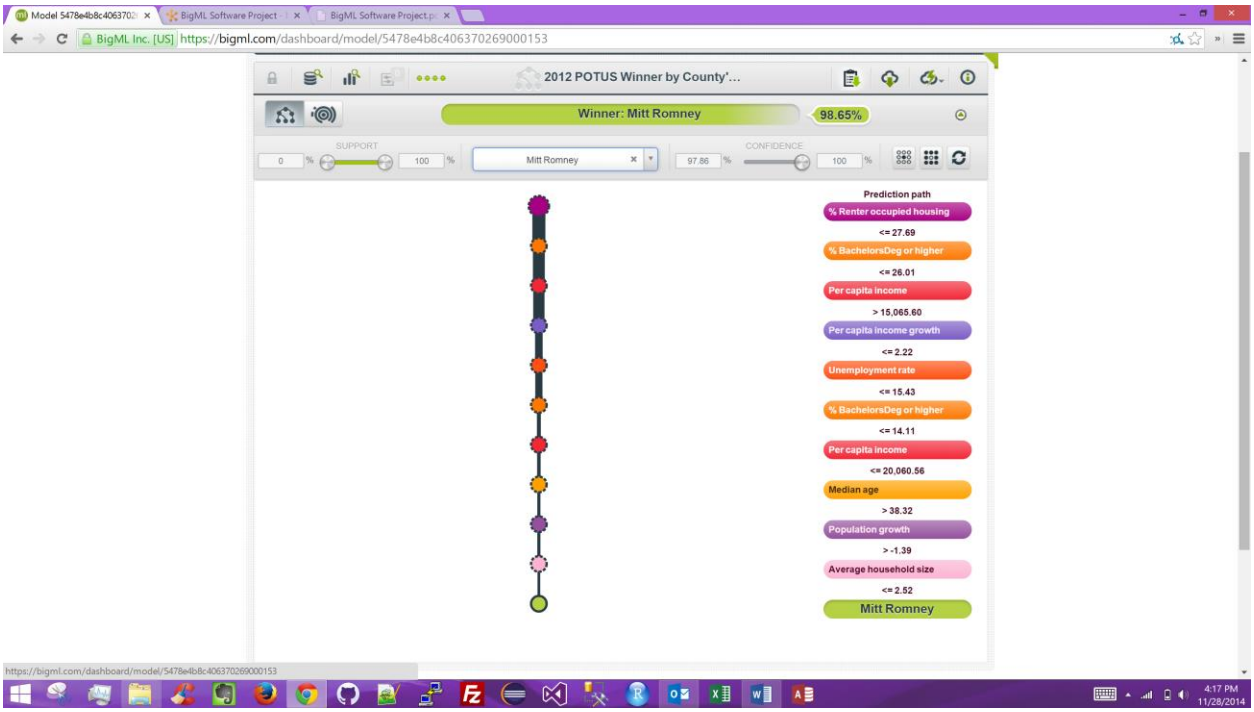
2.1

The single variable that best predicts whether a person voted for Obama is Renter Occupied Housing

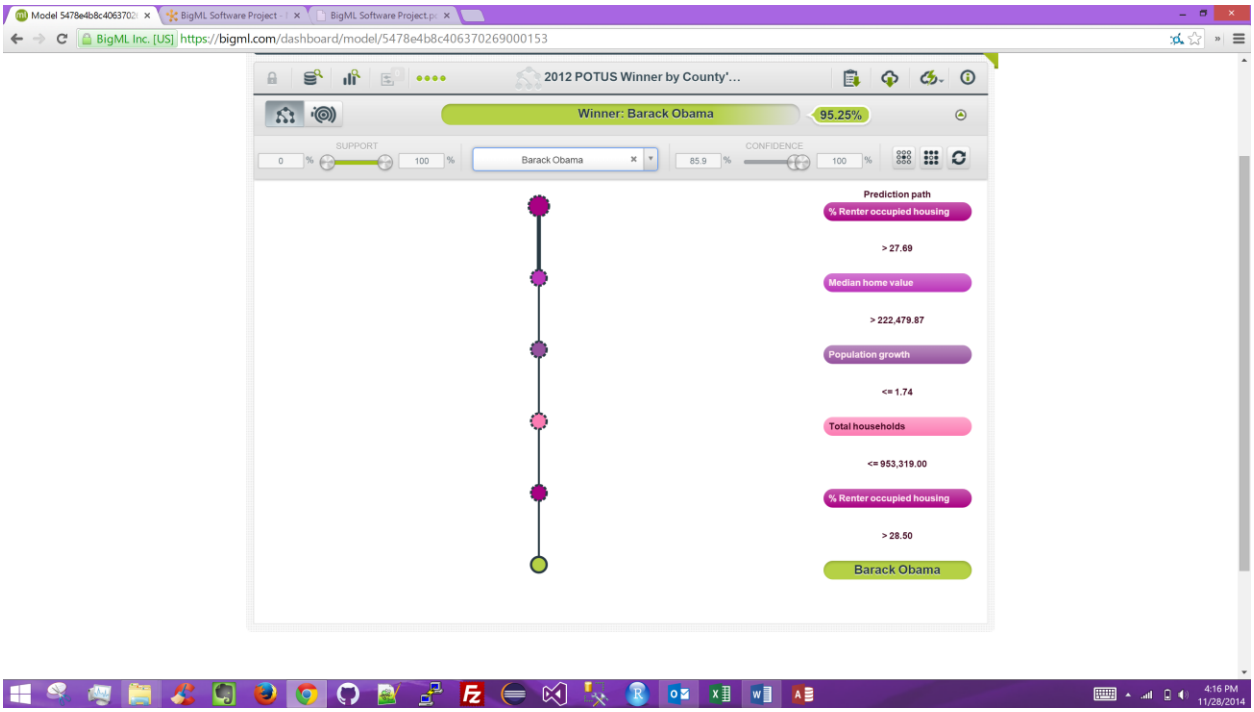

Model Summary Report
Field importance
Summary
text
pop-up
Data distribution:
Barack Obama: 22.03% (686 instances)
Mitt Romney: 77.97% (2428 instances)
Predicted distribution:
Barack Obama: 20.78% (647 instances)
Mitt Romney: 79.22% (2467 instances)
Field importance:
1. % Renter occupied housing: 17.61%
2. Unemployment rate: 14.53%
3. % BachelorsDeg or higher: 12.96%
4. Per capita income: 9.82%
5. Per capita income growth: 9.07%
6. Median home value: 8.15%
7. Population growth: 5.16%
8. House hold growth: 4.38%
9. % Vacant housing: 4.25%
10. Median age: 4.04%
11. % Owner occupied housing: 3.59%
12. Total households: 3.09%
Close

2.2

Romney:

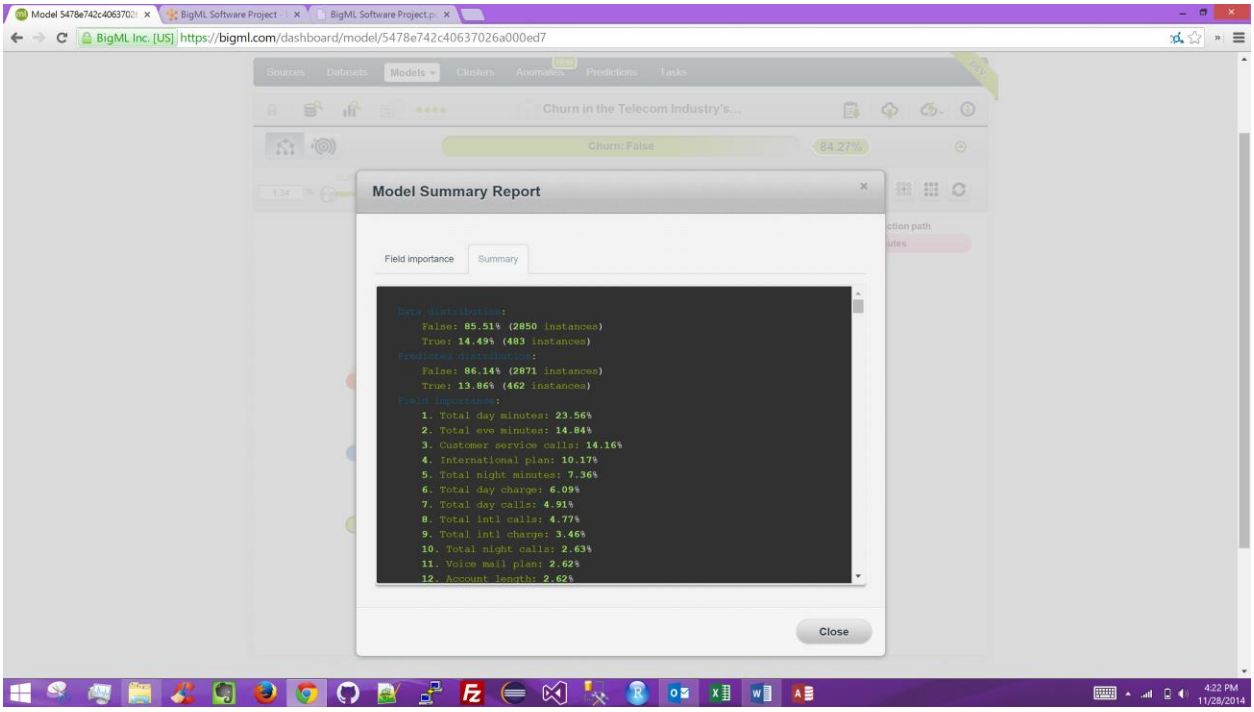

2012 POTUS Winner by County'...
Winner: Mitt Romney
98.65%
SUPPORT
CONFIDENCE
Mitt Romney
Prediction path
% Renter occupied housing
<= 27.69
% BachelorsDeg or higher
<= 26.01
Per capita income
> 15,065.60
Per capita income growth
<= 2.22
Unemployment rate
<= 15.43
% BachelorsDeg or higher
<= 14.11
Per capita income
<= 20,060.56
Median age
> 38.32
Population growth
> -1.39
Average household size
<= 2.52
Mitt Romney

Obama:



Part 3

Total Day Minutes is the single biggest predictor of churn

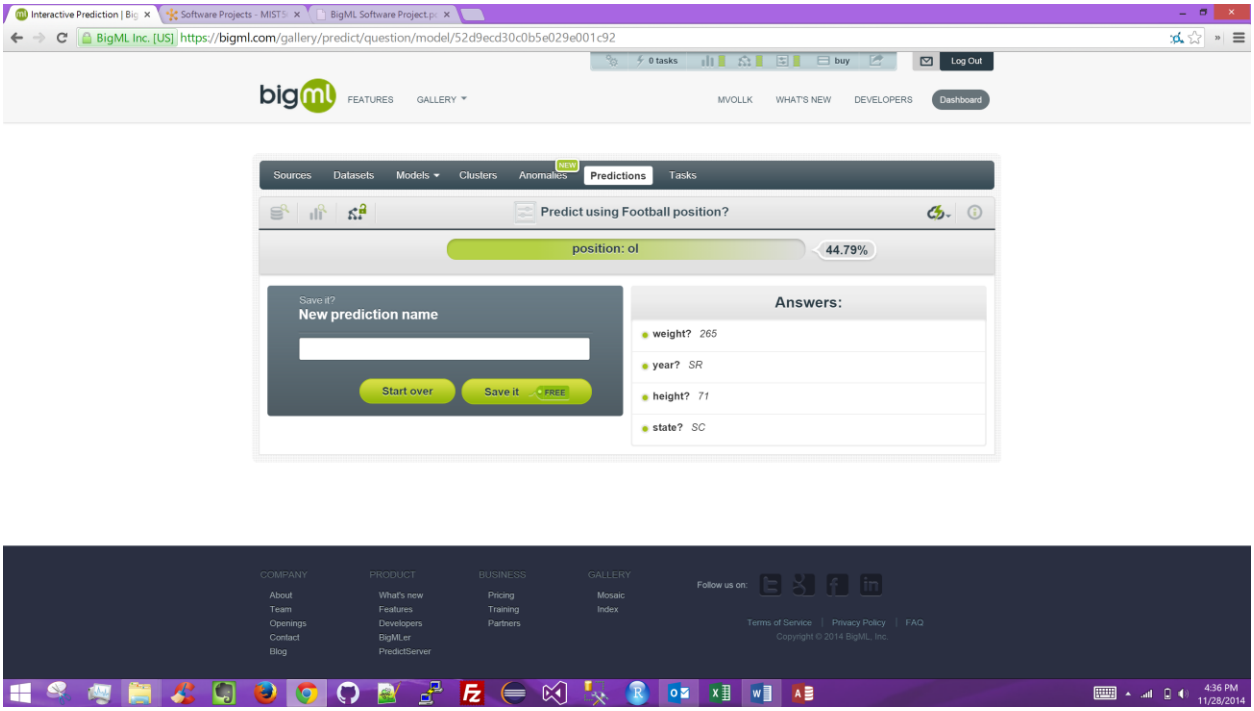


I would include all of the variables generated by BigML. The worst type of information is unknown unknown information. I would rather keep everything just in case. Data storage and processing is so cheap now that it wouldn't really even make a cost difference.

1. Total day minutes
2. Total eve minutes
3. Customer service calls
4. International plan
5. Total night minutes
6. Total day charge
7. Total day calls
8. Total intl calls
9. Total intl charge
10. Total night calls
11. Voice mail plan
12. Account length
13. Total eve calls
14. Area code
15. Number vmail messages

Part 4

I have a 44.79% chance of being an ol



Part 5

Select the Sports and Games filter.

Choose:

Other

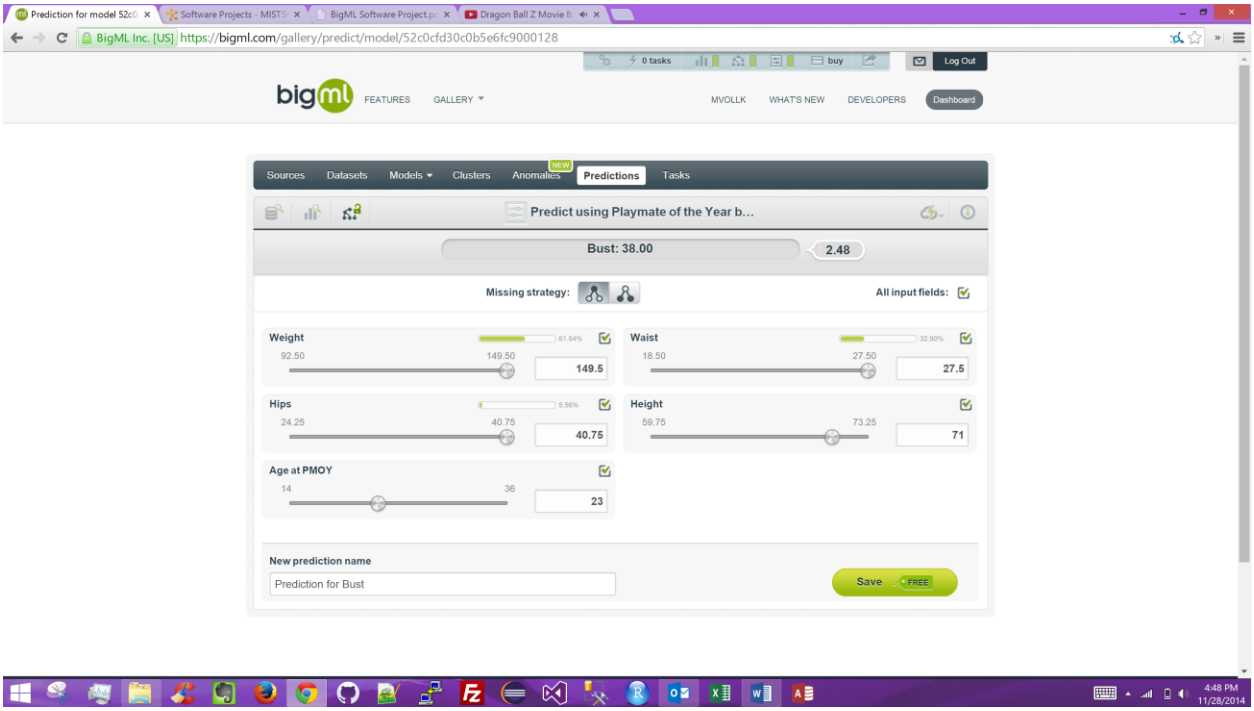
Then select the Playmate of the Year Bust model

Fill in your information using the prediction feature

What bust would you need to win it? With what percentage of confidence.

I am off of the charts for variables of weight, waist and hips.

I would need a 38.00 bust with 2.48% confidence


Prediction for model 52c0
https://bigml.com/gallery/predict/model/52c0cfd30c0b5e6fc9000128
bigml
FEATURES
GALLERY
MVOLLK
WHAT'S NEW
DEVELOPERS
Dashboard
Log Out
Sources
Datasets
Models
Clusters
Anomalies
Predictions
Tasks
Predict using Playmate of the Year b...
Bust: 38.00
2.48
Missing strategy:
All input fields:
Weight
92.50
149.50
149.5
Waist
18.50
27.50
27.5
Hips
24.25
40.75
40.75
Height
59.75
73.25
71
Age at PMOY
14
36
23
New prediction name
Prediction for Bust
Save
FREE