**C3T1 Report**

**Predictions:**

1 2 3 4 5 6 7 8 9 10 11

-10.553401 -10.553401 3.534336 3.534336 8.230248 12.926161 17.622073 17.622073 17.622073 22.317985 22.317985

12 13 14 15 16 17 18 19 20 21 22

27.013898 27.013898 27.013898 27.013898 31.709810 31.709810 31.709810 31.709810 36.405723 36.405723 36.405723

23 24 25 26 27 28 29 30 31 32 33

36.405723 41.101635 41.101635 41.101635 45.797547 45.797547 50.493460 50.493460 50.493460 55.189372 55.189372

34 35 36 37 38 39 40 41 42 43 44

55.189372 55.189372 59.885285 59.885285 59.885285 64.581197 64.581197 64.581197 64.581197 64.581197 73.973022

45 46 47 48 49 50

78.668934 83.364847 83.364847 83.364847 83.364847 88.060759

1 2 3 4 5 6 7 8 9 10 11

0.10432663 0.22866317 2.42527529 0.18721766 1.76214710 1.80359261 1.30624647 1.47202852 1.76214710 1.55491954 1.96937466

12 13 14 15 16 17 18 19 20 21 22

0.89179135 1.30624647 0.31155419 0.22866317 1.72070159 1.22335545 1.72070159 2.09371120 1.92792915 1.47202852 0.27010868

23 24 25 26 27 28 29 30 31 32 33

2.38382978 2.05226568 2.17660222 0.22866317 0.18721766 1.59636505 0.06288112 0.31155419 1.26480096 1.67925608 2.13515671

34 35 36 37 38 39 40 41 42 43 44

2.50816631 2.01082017 1.38913750 0.22866317 1.34769198 0.22866317 1.30624647 1.51347403 1.92792915 2.05226568 1.30624647

45 46 47 48 49 50 51 52 53 54 55

0.22866317 1.18190994 1.38913750 1.76214710 0.43589073 1.72070159 0.35299970 1.51347403 1.67925608 0.31155419 2.09371120

56 57 58 59 60 61 62 63 64 65 66

1.72070159 0.27010868 0.35299970 1.63781057 1.51347403 2.30093875 0.18721766 0.31155419 1.76214710 1.88648364 1.84503813

67 68 69 70 71 72 73 74 75 76 77

0.27010868 1.67925608 2.17660222 1.76214710 1.51347403 0.27010868 1.96937466 1.59636505 0.27010868 0.27010868 0.31155419

78 79 80 81 82 83 84 85 86 87 88

0.31155419 1.47202852 2.42527529 1.59636505 1.80359261 1.51347403 1.67925608 0.18721766 0.27010868 1.59636505 0.27010868

89 90 91 92 93 94 95 96 97 98 99

1.76214710 0.18721766 0.31155419 1.51347403 1.51347403 1.63781057 1.67925608 0.27010868 0.22866317 0.18721766 1.30624647

100 101 102 103 104 105 106 107 108 109 110

2.25949324 1.43058301 1.09901891 1.63781057 0.14577214 0.35299970 1.34769198 1.96937466 2.01082017 0.22866317 1.96937466

111 112 113 114 115 116 117 118 119 120

0.43589073 1.88648364 2.13515671 1.96937466 1.38913750 1.84503813 0.22866317 1.76214710 1.01612789 0.27010868

**Fix to errors in the script:**

# Add quotes to readr

install.packages("readr")

#No quotes

library(readr)

#File name in quotes

IrisDataset <- read.csv("iris.csv")

IrisDataset$Species

#Name misspelled

summary(IrisDataset)

#Name misspelled

str(IrisDataset) # Structure

names(IrisDataset) #Names your attributes within your data set.

#needs .length

qqnorm(IrisDataset\_2$Sepal.Length)

#train size is 0.8

#training\_indices was not set in the script

# ',' between variables

prediction<-predict(LinearModel, testSet)

#Not Prediction(s)

Prediction

Was it straightforward to install R and RStudio?

Yes it was quite easy to install and configure the RStudio

Was the tutorial useful? Would you recommend it to others?

Yes, the tutorial was quite useful and would surely recommend to others

Did you learn anything of potential business value from this analysis?

The tutorial helped getting started with syntax of the R. The tutorial itself did not seem to have any specific business value

What are the main lessons you've learned from this experience? What recommendations would you give to other employees who need to get started using R and doing predictive analytics in R instead of WEKA?

It was interesting to use the R Studio and the concise nature of the language. The fact that I could view the variables and the loaded files in the tool was quite useful.