README

Sergio H. S. de Quadros

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Iris: Some advices for this *Shiny app* and *RStudio presenter* presentation

This work is simply an exercise about the shiny package and is not exhaustive nor shiny resources nor exploratory analysis. This homework was done for the course "Developing Data Products/Johns Hopkins University/Coursera" and consists of a shiny application and a presentation with the "RStudio Presenter".

We must select at first if you want a histogram or a scatter plot, both coulored by "Species", then:

1. For the scatter plot you can choose 2 numeric variables and shall display it;
2. For other one you can number of bins and shall display.

We tried by visual exploratory plotting to look for different distributions for each species at numeric variables.

We summarized the Edgar Anderson's Iris Data with 50 observations for each species - *I. setosa*, *I. versicolor* and *I. virginica* - below:

Sepal.Length

Sepal.Width

Petal.Length

Petal.Width

1

Min. :4.300

Min. :2.000

Min. :1.000

Min. :0.100

2

1st Qu.:5.100

1st Qu.:2.800

1st Qu.:1.600

1st Qu.:0.300

3

Median :5.800

Median :3.000

Median :4.350

Median :1.300

4

Mean :5.843

Mean :3.057

Mean :3.758

Mean :1.199

5

3rd Qu.:6.400

3rd Qu.:3.300

3rd Qu.:5.100

3rd Qu.:1.800

6

Max. :7.900

Max. :4.400

Max. :6.900

Max. :2.500