# Statistical Methods

Demographic and clinical characteristics were compared using two-sample t-tests and Fisher's exact tests for continuous and categorical variables, respectively. Variables were visually assessed for skewness and log-transformed when appropriate. Significance was set at 0.05. R version 3.1.1 software (R Foundation for Statistical Computing, Vienna, Austria, <http://www.R-project.org/>) and rmarkdown: Dynamic Documents for R. R package version 0.3.3. <http://CRAN.R-project.org/package=rmarkdown> were utilized.

Results presented are based on the dataset iris.

# Results

## Descriptive

**Table 1. Demographic and Clinical Characteristics**

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Setosa (n=50) | Versicolor (n=50) | P Value |
| Sepal Length |  |  | <0.0001 |
| <5 | 30 (60%) | 49 (98%) |  |
| >=5 | 20 (40%) | 1 (2%) |  |
| Sepal Length | 20 (40%) | 1 (2%) | <0.0001 |
| Sepal Length | 5±0 | 6±1 | <0.0001 |
| Petal Length | 1±0 | 4±0 | <0.0001 |
| Sepal weight\* | 3 (3, 4) | 3 (3, 3) | <0.0001 |
| Petal Width\*\* | 0.2 (0.2, 0.3) | 1.3 (1.2, 1.5) | <0.0001 |

\*Geometric Mean and 95% CI

\*\*Median and IQR

**Table 2. Demographic and Clinical Characteristics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Setosa (n=50) | Versicolor (n=50) | Virginica (n=50) | P Value |
| Sepal Length |  |  |  | <0.0001 |
| <5 | 30 (60%) | 49 (98%) | 49 (98%) |  |
| >=5 | 20 (40%) | 1 (2%) | 1 (2%) |  |
| Sepal Length | 20 (40%) | 1 (2%) | 1 (2%) | <0.0001 |
| Sepal Length | 5±0 | 6±1 | 7±1 | <0.0001 |
| Petal Length | 1±0 | 4±0 | 6±1 | <0.0001 |
| Sepal weight\* | 3 (3.3, 3.5) | 3 (2.7, 2.8) | 3 (2.9, 3.1) | <0.0001 |
| Petal Width\* | 0 (0.2, 0.2) | 1 (1.2, 1.4) | 2 (1.9, 2.2) | <0.0001 |

\*Geometric Mean and 95% CI

## Models

**Table 2. Regression results**

|  |  |  |
| --- | --- | --- |
| Predictor | Estimate (95% CI) | P Value |
| (Intercept) | 5.006 (4.862, 5.15) | <0.0001 |
| SpeciesVersicolor | 0.93 (0.727, 1.133) | <0.0001 |
| SpeciesVirginica | 1.582 (1.379, 1.785) | <0.0001 |