

# Simple R2wd usage example

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## *Analysis of Fisher's iris data*

### *BERD Reproducible Research working group*

The famous (Fisher's or Anderson's) iris data set gives the measurements in centimeters of the variables sepal length and width, and petal length and width, respectively, for 50 flowers from each of 3 species of iris. The species are setosa, versicolor, virginica.

First, let's run a simple ANOVA comparing the sepal lengths of the three species.

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Species	2	63.212	31.606	119.265	0
Residuals	147	38.956	0.265	NA	NA

Table 1 : ANOVA table

We can see that the three species have significantly different sepal lengths. Figure 1 shows the corresponding boxplot.

