# Dataset iris (nrow=150)

## Not compacted

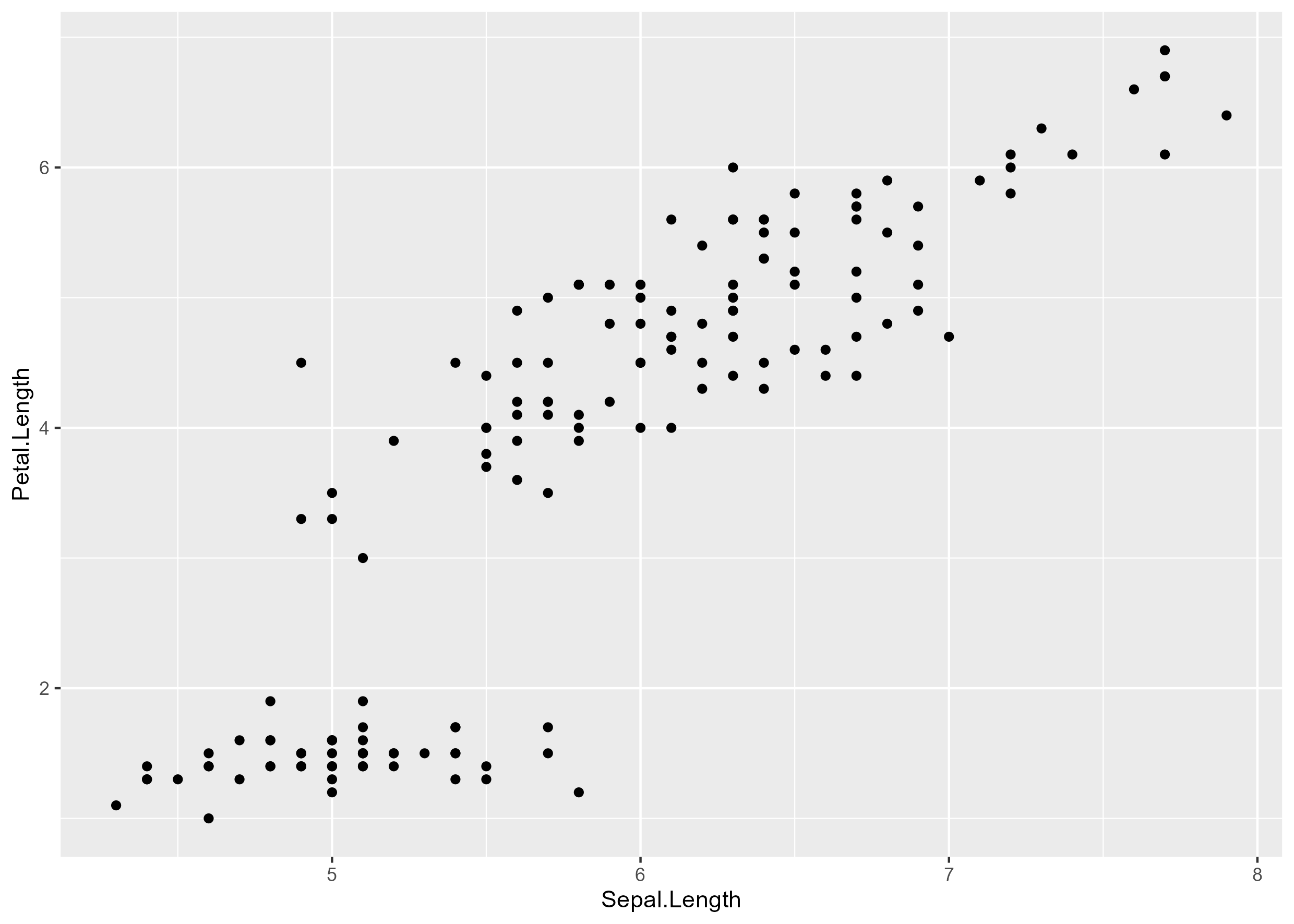
Table \@ref(table\_autotest) is an example. However, automatic testing is bad and I should feel bad.

| **label** | **variable** | **Species** | | | **test** |
| --- | --- | --- | --- | --- | --- |
| **setosa** | **versicolor** | **virginica** |
| Sepal.Length | Min / Max | 4.3 / 5.8 | 4.9 / 7.0 | 4.9 / 7.9 | p value: <0.0001  (One-way analysis of means (not assuming equal variances)) |
| Med [IQR] | 5.0 [4.8;5.2] | 5.9 [5.6;6.3] | 6.5 [6.2;6.9] |
| Mean (std) | 5.0 (0.4) | 5.9 (0.5) | 6.6 (0.6) |
| N (NA) | 50 (0) | 50 (0) | 50 (0) |
| Sepal.Width | Min / Max | 2.3 / 4.4 | 2.0 / 3.4 | 2.2 / 3.8 | p value: <0.0001  (One-way analysis of means) |
| Med [IQR] | 3.4 [3.2;3.7] | 2.8 [2.5;3.0] | 3.0 [2.8;3.2] |
| Mean (std) | 3.4 (0.4) | 2.8 (0.3) | 3.0 (0.3) |
| N (NA) | 50 (0) | 50 (0) | 50 (0) |
| Petal.Length | Min / Max | 1.0 / 1.9 | 3.0 / 5.1 | 4.5 / 6.9 | p value: <0.0001  (Kruskal-Wallis rank sum test) |
| Med [IQR] | 1.5 [1.4;1.6] | 4.3 [4.0;4.6] | 5.5 [5.1;5.9] |
| Mean (std) | 1.5 (0.2) | 4.3 (0.5) | 5.6 (0.6) |
| N (NA) | 50 (0) | 50 (0) | 50 (0) |
| Petal.Width | Min / Max | 0.1 / 0.6 | 1.0 / 1.8 | 1.4 / 2.5 | p value: <0.0001  (Kruskal-Wallis rank sum test) |
| Med [IQR] | 0.2 [0.2;0.3] | 1.3 [1.2;1.5] | 2.0 [1.8;2.3] |
| Mean (std) | 0.2 (0.1) | 1.3 (0.2) | 2.0 (0.3) |
| N (NA) | 50 (0) | 50 (0) | 50 (0) |

**Table** **:** Automatic testing is bad

Let's add a figure as well. You can see in Figure \@ref(fig\_iris) that sepal length is somehow correlated with petal length.

**Figure** **:** Relation between Petal length and Sepal length



## Compacted

When compacting, you might want to remove the test names.

|  | **Species** | | | **test** |
| --- | --- | --- | --- | --- |
| **setosa** | **versicolor** | **virginica** |
| **Sepal.Length** |  |  |  | p value: <0.0001 |
| Min / Max | 4.3 / 5.8 | 4.9 / 7.0 | 4.9 / 7.9 |  |
| Med [IQR] | 5.0 [4.8;5.2] | 5.9 [5.6;6.3] | 6.5 [6.2;6.9] |  |
| Mean (std) | 5.0 (0.4) | 5.9 (0.5) | 6.6 (0.6) |  |
| N (NA) | 50 (0) | 50 (0) | 50 (0) |  |
| **Sepal.Width** |  |  |  | p value: <0.0001 |
| Min / Max | 2.3 / 4.4 | 2.0 / 3.4 | 2.2 / 3.8 |  |
| Med [IQR] | 3.4 [3.2;3.7] | 2.8 [2.5;3.0] | 3.0 [2.8;3.2] |  |
| Mean (std) | 3.4 (0.4) | 2.8 (0.3) | 3.0 (0.3) |  |
| N (NA) | 50 (0) | 50 (0) | 50 (0) |  |
| **Petal.Length** |  |  |  | p value: <0.0001 |
| Min / Max | 1.0 / 1.9 | 3.0 / 5.1 | 4.5 / 6.9 |  |
| Med [IQR] | 1.5 [1.4;1.6] | 4.3 [4.0;4.6] | 5.5 [5.1;5.9] |  |
| Mean (std) | 1.5 (0.2) | 4.3 (0.5) | 5.6 (0.6) |  |
| N (NA) | 50 (0) | 50 (0) | 50 (0) |  |
| **Petal.Width** |  |  |  | p value: <0.0001 |
| Min / Max | 0.1 / 0.6 | 1.0 / 1.8 | 1.4 / 2.5 |  |
| Med [IQR] | 0.2 [0.2;0.3] | 1.3 [1.2;1.5] | 2.0 [1.8;2.3] |  |
| Mean (std) | 0.2 (0.1) | 1.3 (0.2) | 2.0 (0.3) |  |
| N (NA) | 50 (0) | 50 (0) | 50 (0) |  |

# Dataset mtcars2

This dataset has 22 rows and 4 columns.

Look, there are labels!

|  | **Transmission** | | | **Total** | **effect** |
| --- | --- | --- | --- | --- | --- |
| **auto** | **manual** | **NA** |
| **Miles/(US) gallon** |  |  |  |  | Difference in means (t-test CI), ref='auto' manual minus auto: 7.24 [3.64 to 10.85] |
| Min / Max | 10.4 / 24.4 | 15.0 / 33.9 | no NA | 10.4 / 33.9 |  |
| Med [IQR] | 17.3 [14.9;19.2] | 22.8 [21.0;30.4] | no NA | 19.2 [15.4;22.8] |  |
| Mean (std) | 17.1 (3.8) | 24.4 (6.2) | no NA | 20.1 (6.0) |  |
| N (NA) | 19 (0) | 13 (0) | no NA | 32 (0) |  |
| **Number of cylinders** |  |  |  |  | Odds ratio [95% Wald CI], ref='manual vs auto' 6 vs 4: 0.28 [0.03 to 1.99] 8 vs 4: 0.06 [0.01 to 0.39] |
| 4 | 3 (27.27%) | 8 (72.73%) | 0 | 11 (34.38%) |  |
| 6 | 4 (57.14%) | 3 (42.86%) | 0 | 7 (21.88%) |  |
| 8 | 12 (85.71%) | 2 (14.29%) | 0 | 14 (43.75%) |  |
| NA | 0 | 0 | 0 | 0 |  |
| Total | 19 (59.38%) | 13 (40.62%) | NA | 32 (100.00%) |  |
| **Displacement (cu.in.)** |  |  |  |  | Difference in means (bootstrap CI), ref='auto' manual minus auto: -146.85 [-218.04 to -75.66] |
| Min / Max | 120.1 / 472.0 | 71.1 / 351.0 | no NA | 71.1 / 472.0 |  |
| Med [IQR] | 275.8 [196.3;360.0] | 120.3 [79.0;160.0] | no NA | 196.3 [120.8;326.0] |  |
| Mean (std) | 290.4 (110.2) | 143.5 (87.2) | no NA | 230.7 (123.9) |  |
| N (NA) | 19 (0) | 13 (0) | no NA | 32 (0) |  |