test_tex

Contents

```
descr(iris)
```

Variables	Total (N=150)	p
Sepal.Length		
N	150	<0.001[tt1]
mean	5.8	
sd	0.83	
median	5.8	
Q1 - Q3	5.1 – 6.4	
min - max	4.3 – 7.9	
Sepal.Width		
N	150	<0.001[tt1]
mean	3.1	
sd	0.44	
median	3	
Q1 - Q3	2.8 – 3.3	
min - max	2 – 4.4	
Petal.Length		
N	150	<0.001[tt1]
mean	3.8	
sd	1.8	
median	4.3	
Q1 - Q3	1.6 – 5.1	
min - max	1 – 6.9	
Petal.Width		
N	150	<0.001[tt1]
mean	1.2	
sd	0.76	
median	1.3	
Q1 - Q3	0.3 – 1.8	
min - max	0.1 – 2.5	

(continued)

Variables	Total (N=150)	p
Species		
setosa	50 (33%)	>0.999[chi1]
versicolor	50 (33%)	
virginica	50 (33%)	

[tt1] Student's one-sample t-test
[chi1] Chi-squared goodness-of-fit test

```
descr(
  iris,
  "Species",
  group_labels = list(setosa = "My custom group label"),
  var_options = list(Sepal.Length = list(label = "My custom variable label"))
)
```

Variables	My custom group label (N=50)	versicolor (N=50)	virginica (N=150)	Total	p
My custom variable label					
N	50	50	50	150	<0.001[F]
mean	5	5.9	6.6	5.8	
sd	0.35	0.52	0.64	0.83	
median	5	5.9	6.5	5.8	
Q1 - Q3	4.8 – 5.2	5.6 – 6.3	6.2 – 6.9	5.1 – 6.4	
min - max	4.3 – 5.8	4.9 – 7	4.9 – 7.9	4.3 – 7.9	
Sepal.Width					
N	50	50	50	150	<0.001[F]
mean	3.4	2.8	3	3.1	
sd	0.38	0.31	0.32	0.44	
median	3.4	2.8	3	3	
Q1 - Q3	3.2 – 3.7	2.5 – 3	2.8 – 3.2	2.8 – 3.3	
min - max	2.3 – 4.4	2 – 3.4	2.2 – 3.8	2 – 4.4	
Petal.Length					
N	50	50	50	150	<0.001[F]
mean	1.5	4.3	5.6	3.8	
sd	0.17	0.47	0.55	1.8	
median	1.5	4.3	5.5	4.3	
Q1 - Q3	1.4 – 1.6	4 – 4.6	5.1 – 5.9	1.6 – 5.1	
min - max	1 – 1.9	3 – 5.1	4.5 – 6.9	1 – 6.9	

(continued)

Variables	My custom group label (N=50)	versicolor (N=50)	virginica (N=150)	Total	p
Petal.Width					
N	50	50	50	150	<0.001[F]
mean	0.25	1.3	2	1.2	
sd	0.11	0.2	0.27	0.76	
median	0.2	1.3	2	1.3	
Q1 - Q3	0.2 – 0.3	1.2 – 1.5	1.8 – 2.3	0.3 – 1.8	
min - max	0.1 – 0.6	1 – 1.8	1.4 – 2.5	0.1 – 2.5	

[F] F-test (ANOVA)

```
descr(
  iris,
  "Species",
  group_labels = list(setosa = "My custom group label"),
  var_options = list(Sepal.Length = list(label = "My custom variable label")),
  format_options=list(caption="Test Caption")
)
```

Table 3: Test Caption

Variables	My custom group label (N=50)	versicolor (N=50)	virginica (N=150)	Total	p
My custom variable label					
N	50	50	50	150	<0.001[F]
mean	5	5.9	6.6	5.8	
sd	0.35	0.52	0.64	0.83	
median	5	5.9	6.5	5.8	
Q1 - Q3	4.8 – 5.2	5.6 – 6.3	6.2 – 6.9	5.1 – 6.4	
min - max	4.3 – 5.8	4.9 – 7	4.9 – 7.9	4.3 – 7.9	
Sepal.Width					
N	50	50	50	150	<0.001[F]
mean	3.4	2.8	3	3.1	
sd	0.38	0.31	0.32	0.44	
median	3.4	2.8	3	3	
Q1 - Q3	3.2 – 3.7	2.5 – 3	2.8 – 3.2	2.8 – 3.3	
min - max	2.3 – 4.4	2 – 3.4	2.2 – 3.8	2 – 4.4	
Petal.Length					
N	50	50	50	150	<0.001[F]
mean	1.5	4.3	5.6	3.8	
sd	0.17	0.47	0.55	1.8	
median	1.5	4.3	5.5	4.3	
Q1 - Q3	1.4 – 1.6	4 – 4.6	5.1 – 5.9	1.6 – 5.1	
min - max	1 – 1.9	3 – 5.1	4.5 – 6.9	1 – 6.9	

Table 3: Test Caption *(continued)*

Variables	My custom group label (N=50)	versicolor (N=50)	virginica (N=150)	Total	p
Petal.Width					
N	50	50	50	150	<0.001[F]
mean	0.25	1.3	2	1.2	
sd	0.11	0.2	0.27	0.76	
median	0.2	1.3	2	1.3	
Q1 - Q3	0.2 – 0.3	1.2 – 1.5	1.8 – 2.3	0.3 – 1.8	
min - max	0.1 – 0.6	1 – 1.8	1.4 – 2.5	0.1 – 2.5	
[F] F-test (ANOVA)					

```
Tooth2 <- ToothGrowth
Tooth2$categorical <- factor(sample(c("a", "b"), nrow(Tooth2), TRUE))
descr(Tooth2, "supp")
```

Variables	OJ (N=30)	VC (N=30)	Total (N=60)	p	CI
len					
N	30	30	60	0.061[tt2]	[-0.17, 7.6][t]
mean	21	17	19		
sd	6.6	8.3	7.6		
median	23	16	19		
Q1 - Q3	15 – 26	11 – 23	13 – 25		
min - max	8.2 – 31	4.2 – 34	4.2 – 34		
dose					
N	30	30	60	>0.999[tt2]	[-0.33, 0.33][t]
mean	1.2	1.2	1.2		
sd	0.63	0.63	0.63		
median	1	1	1		
Q1 - Q3	0.5 – 2	0.5 – 2	0.5 – 2		
min - max	0.5 – 2	0.5 – 2	0.5 – 2		
categorical					
a	17 (57%)	17 (57%)	34 (57%)	>0.999[chi2]	[-0.26, 0.26][PWa]
b	13 (43%)	13 (43%)	26 (43%)		
[tt2] Welch's two-sample t-test					
[chi2] Pearson's chi-squared test					
[t] CI for difference in means derived from the t-distribution					
[PWa] CI for difference in proportions derived from a normal ("Wald") approximation					