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	$0.1 - 2.5$	

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=50)	Total (N=150)	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	$1 - 1.9$	$3 - 5.1$	$4.5 - 6.9$	$1 - 6.9$	

Variables	My custom group label (N=50)	versicolor (N=50)	virginica (N=50)	Total (N=150)	p
Petal.Width					
N	50	50	50	150	$<0.001^{\text{F}}$
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=50)	Total (N=150)	p
My custom variable label					
N	50	50	50	150	$<0.001^{\text{F}}$
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	$<0.001^{\text{F}}$
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	$<0.001^{\text{F}}$
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=50)	Total (N=150)	p
Petal.Width					
N	50	50	50	150	$<0.001^{\mathrm{F}}$
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}	$[-0.17, 7.6]^{\mathrm{t}}$
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	$>0.999^{\mathrm{tt2}}$	$[-0.33, 0.33]^{\mathrm{t}}$
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	15 (50%)	14 (47%)	29 (48%)	0.796^{chi2}	$[-0.22, 0.29]^{\mathrm{PWa}}$
b	15 (50%)	16 (53%)	31 (52%)		

[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