test_tex

Contents

descr(iris)

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

(continued)

Variables	Total	p
	(N=150)	

Species

 $\begin{array}{lll} {\rm setosa} & & 50 \; (33\%) & > 0.999^{\rm chi1} \\ {\rm versicolor} & & 50 \; (33\%) \\ {\rm virginica} & & 50 \; (33\%) \\ \end{array}$

 $\begin{array}{cc} \text{virginica} & 50 \ (33\%) \\ \\ ^{\text{tt1}} \text{ Students one-sample t-test} \end{array}$

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	р
My custom variable label					
N	50	50	50	150	$< 0.001^{\rm F}$
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	$< 0.001^{\rm F}$
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	$< 0.001^{\rm F}$
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					
	~ 0	F 0		150	-0.001E
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)					

descr(iris) %>% capture.output(print(.)) %>% knitr::raw_latex()

Variables	Total (N=150)	р
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Sepal.Length	150	-0.001tt1
N	150	$< 0.001^{\text{tt1}}$
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	$< 0.001^{\text{tt1}}$
mean	3.1	
sd	0.44	
median	3	
Q1 - Q3	2.8 - 3.3	
min - max	2 - 4.4	
Petal.Length		
N	150	$< 0.001^{\rm tt1}$
mean	3.8	
sd	1.8	
median	4.3	
Q1 - Q3	1.6 - 5.1	
min - max	1 - 6.9	
Petal.Width		
N	150	$< 0.001^{\text{tt1}}$
mean	1.2	10.001
sd	0.76	
median	1.3	
Q1 - Q3	0.3 - 1.8	
min - max	0.1 - 2.5	

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Variables	Total	p		
	(N=150)			
Species				
setosa	50 (33%)	$> 0.999^{\text{chi}1}$		
versicolor	50 (33%)			
virginica	50 (33%)			
tt1 Students one-sample t-test				
chi1 Chi-squared goodness-of-fit test				

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

(continued)

Variables	Total	р
	(N=150)	

Species

setosa 50 (33%) >0.999^{chi1} versicolor 50 (33%) virginica 50 (33%)

 $^{^{\}rm tt1}$ Students one-sample t-test

chi1 Chi-squared goodness-of-fit test