Example R Markdown Document

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Lets look at the distribution of survival by passenger class with a `prop.table`.

```
tab <- table(titanic$pclass, titanic$survival)
prop.table(tab, 1)
```

```
##
##           Survived      Died
##   First  0.6191950 0.3808050
##   Second 0.4296029 0.5703971
##   Third  0.2552891 0.7447109
```

Ooh, that doesn't look very good for third class. How about doing it as a figure?

Tables

Here is a `kable` style table.

Table 1: Cross-tabulation of passenger class by survival on the Titanic

	Survived	Died
First	200	123
Second	119	158
Third	181	528

Here is a `pandoc` style table.

Table 2: Cross-tabulation of passenger class by survival on the Titanic

	Survived	Died
First	200	123
Second	119	158
Third	181	528

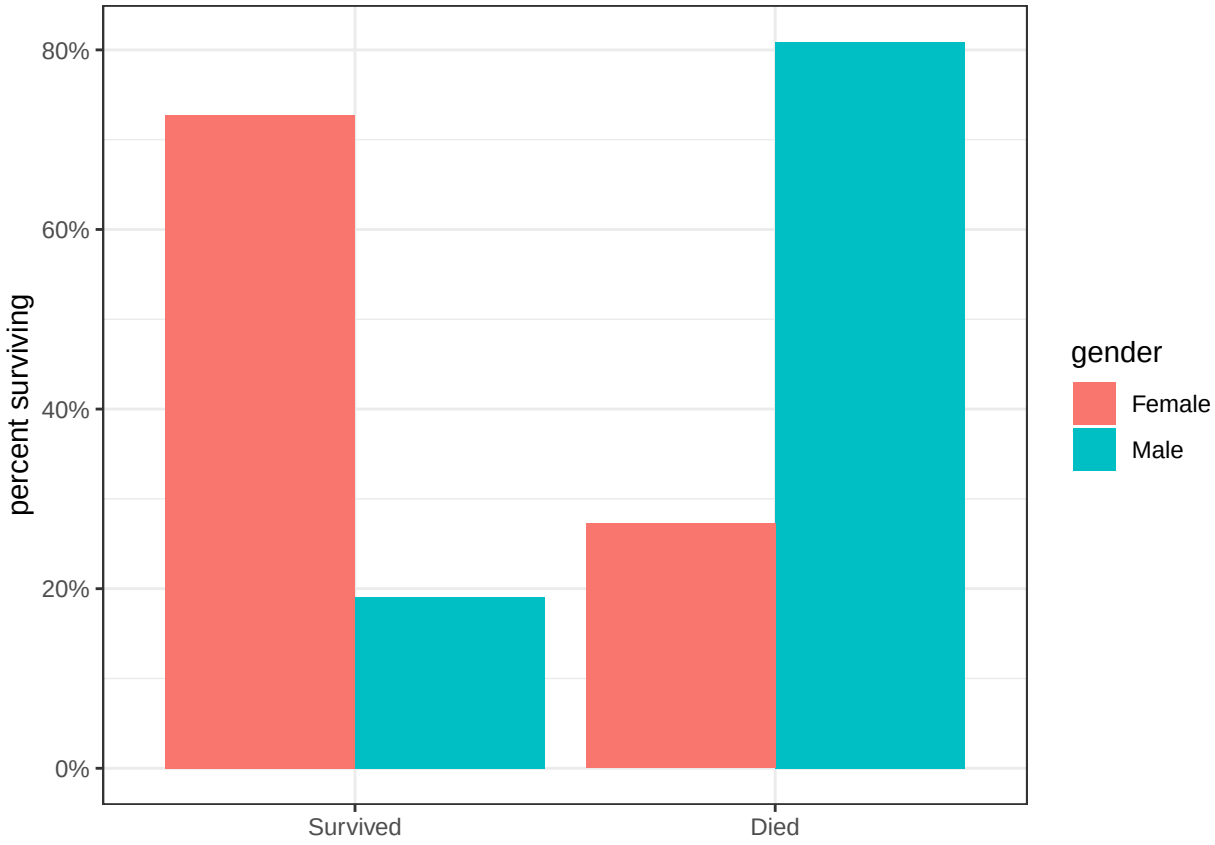

Figure 1: Distribution of Titanic survival by gender

Tables for Regression Models

```
model1 <- lm(TomatoMeter~I(Runtime-90), data=movies)
model2 <- update(model1,.~.+Rating)
model3 <- update(model2,.~.+I(Runtime-90)*Rating)
model4 <- update(model3,.~.+I(Year-2001)+Genre+I(BoxOffice-mean(BoxOffice)))
```

```
knitreg(list(model1, model2, model3, model4),
        caption="Linear models predicting a movie's tomato meter rating",
        custom.coef.names = c("Intercept", "Movie runtime in minutes",
                              "PG", "PG-13","R",
                              "Runtime*PG", "Runtime*PG-13", "Runtime*R",
                              "Year of release",
                              "Animation","Comedy","Drama","Family","Horror",
                              "Musical","Mystery","Romance","Sci-Fi/Fantasy",
                              "Thriller","Box office returns (millions USD)"),
        digits = 3,
        caption.above=TRUE,
        include.rsquared=TRUE,
        include.adjrs=FALSE,
        include.nobs=TRUE,
        include.rmse=FALSE)
```

Table 3: Linear models predicting a movie's tomato meter rating

	Model 1	Model 2	Model 3	Model 4
Intercept	41.602***	53.930***	53.966***	30.616***
	(0.680)	(3.326)	(3.325)	(4.334)
Movie runtime in minutes	0.405***	0.443***	0.398	0.310
	(0.030)	(0.030)	(0.229)	(0.222)
PG		−12.870***	−12.618***	−6.353
		(3.584)	(3.685)	(3.594)
PG-13		−18.776***	−20.945***	−1.848
		(3.458)	(3.512)	(4.074)
R		−8.437*	−6.734	13.228**
		(3.435)	(3.476)	(4.073)
Runtime*PG			0.015	0.148
			(0.247)	(0.235)
Runtime*PG-13			0.163	−0.018
			(0.233)	(0.224)
Runtime*R			−0.069	−0.134
			(0.233)	(0.225)
Year of release				0.165
				(0.128)
Animation				24.297***
				(3.446)
Comedy				6.100**
				(1.880)
Drama				18.890***
				(2.128)
Family				9.851**
				(3.109)
Horror				−5.022*
				(2.334)
Musical				11.901***
				(2.861)
Mystery				10.500*
				(4.138)
Romance				13.915***
				(2.616)
Sci-Fi/Fantasy				2.982
				(2.231)
Thriller				6.339**
				(2.420)
Box office returns (millions USD)				0.095***
				(0.009)
R^2	0.067	0.104	0.108	0.204
Num. obs.	2553	2553	2553	2553

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$