PDF

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Contents

This is my pdf document. Please refer to the Github repository of my final project for further information.[1]
I make use of Xie (2019) and Wickham (2019)

1 Experiment results

Depression

Judging effect of treatment on depression, while looking at sleep

Treatment[1]	Hours of Sleep	Depression[2]
1	6.814005	14.64
1	7.025457	15.29
0	6.302799	15.53
1	5.656613	17.13
0	4.296750	17.20
1	4.953485	13.19
0	4.257500	15.76
0	6.414442	16.13
0	4.870382	13.79
0	7.149967	16.20
1	6.761407	13.85
1	6.897326	15.38
1	6.212129	11.82
1	5.663250	11.18
1	6.040950	14.87
0	6.008410	15.39
0	5.483843	17.74
0	6.288469	14.74
1	8.119598	17.73
1	5.730452	14.16

[1]0 = No Treatment, 1 = Treatment
[2]Depression is measured on a 25 point inventory scale

```
## Warning in model.matrix.default(mt, mf, contrasts): the response appeared
## on the right-hand side and was dropped
```

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[1]Github repository

```
## Warning in model.matrix.default(mt, mf, contrasts): problem with term 2 in
## model.matrix: no columns are assigned
```

2 Summarizing results of treatment and sleep on depression

	Dependent variable:	
	Depression	
	(1)	(2)
Treatment	0.218	0.218
	(0.425)	(0.425)
Hours of Sleep	13.765***	13.765***
	(2.602)	(2.602)
Observations	20	20
R^2	0.014	0.014
Adjusted R^2	-0.040	-0.040
Residual Std. Error (df = 18)	1.811	1.811
F Statistic (df = 1; 18)	0.264	0.264
Note:	*p<0.1; **p<0.05; ***p<0.01	

References

Wickham, Hadley. 2019. *Stringr: Simple, Consistent Wrappers for Common String Operations.* https://CRAN.R-project.org/package=stringr.

Xie, Yihui. 2019. *Knitr: A General-Purpose Package for Dynamic Report Generation in R.* https://CRAN.R-project.org/package=knitr.