sleep\_data.R

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sleep\_data<-data.frame(screen\_t=c(8,3,1,7,7,8,9,7,10,12),  
 sleep=c(10.5,10.5,6,5,7,9,6,4,10,7))  
sleep\_data

## screen\_t sleep  
## 1 8 10.5  
## 2 3 10.5  
## 3 1 6.0  
## 4 7 5.0  
## 5 7 7.0  
## 6 8 9.0  
## 7 9 6.0  
## 8 7 4.0  
## 9 10 10.0  
## 10 12 7.0

summary(sleep\_data)

## screen\_t sleep   
## Min. : 1.00 Min. : 4.00   
## 1st Qu.: 7.00 1st Qu.: 6.00   
## Median : 7.50 Median : 7.00   
## Mean : 7.20 Mean : 7.50   
## 3rd Qu.: 8.75 3rd Qu.: 9.75   
## Max. :12.00 Max. :10.50

sleep\_data.lm<-lm(screen\_t~sleep,data=sleep\_data)  
sleep\_data.lm

##   
## Call:  
## lm(formula = screen\_t ~ sleep, data = sleep\_data)  
##   
## Coefficients:  
## (Intercept) sleep   
## 6.675 0.070

summary(sleep\_data.lm)

##   
## Call:  
## lm(formula = screen\_t ~ sleep, data = sleep\_data)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -6.0950 -0.1300 0.3175 1.6025 4.8350   
##   
## Coefficients:  
## Estimate Std. Error t value Pr(>|t|)  
## (Intercept) 6.6750 3.7401 1.785 0.112  
## sleep 0.0700 0.4779 0.146 0.887  
##   
## Residual standard error: 3.379 on 8 degrees of freedom  
## Multiple R-squared: 0.002675, Adjusted R-squared: -0.122   
## F-statistic: 0.02145 on 1 and 8 DF, p-value: 0.8872