고급통계분석 - Assignment01

20220866 문가영

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### Problem 1.

set.seed(1)  
n = 200  
x = seq(0, 1, length.out = n)  
y = sin(2\*pi\*x) + rnorm(n, sd = 0.15)

#### (a).

df = data.frame(x, y)  
write.csv(df, file = 'data/problem1.csv', row.names = FALSE)

#### (d).

**GitHub 저장소 링크:** [20220866 문가영 GitHub 링크](https://github.com/Ga-young-Moon/Advanced-Statistical-Analysis)

### Problem 2.

#### (a).