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Data Analytics

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Lab 1

OUTPUT:

-Summaries

summary(SPI)

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

0.00 26.88 51.60 49.84 71.95 100.00 2

summary(TBN)

Min. 1st Qu. Median Mean 3rd Qu. Max.

0.00 22.95 44.70 47.13 70.03 100.00

Shapiro-Wilk normality test

data: SPI

W = 0.95998, p-value = 5.774e-05

data: TBN

W = 0.95419, p-value = 1.401e-05

Anderson-Darling normality test

data: SPI

A = 1.7105, p-value = 0.0002121

data: TBN

A = 1.6438, p-value = 0.0003098

Asymptotic two-sample Kolmogorov-Smirnov test

data: SPI and TBN

$D = 0.087703$, $p\text{-value} = 0.4967$

alternative hypothesis: two-sided

Wilcoxon rank sum test with continuity correction

data: SPI and TBN

$W = 16913$, $p\text{-value} = 0.362$

alternative hypothesis: true location shift is not equal to 0

PLOTS:



