SmallSEOTools

PLAGIARISM SCAN REPORT

Words	123	Date	April 12,2021
Characters	1119	Excluded URL	

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Plagiarism	Unique	Plagiarized Sentences	Unique Sentences

Content Checked For Plagiarism

```
# Assignment no - 7
#Problem Statement: Use of R for Correlation and regression analysis.
# Read dataset from device
df <- read.csv(file.choose())
print(df)
str(df)
# Correlation
# Pearson Correlation
cor(df$Confirmed, df$Deaths , method = "pearson")
# To assess statistical significance, you can use cor.test() function.
cor.test(df$Confirmed , df$Deaths , method = "pearson")
x <- seq(-10,10,1)
y <- x*x
plot(x,y)
cor(x,y)
# Simple Linear Regression
df_data <- df[,c(1,2,8:9)]
summary(df_data[,-1])
#lm1 <- lm(Confirmed ~ ï..Sno , data = df_data)
lm1 <- lm(Confirmed ~ Deaths , data = df_data)
plot(Confirmed ~ Deaths, data = df_data)
abline(lm1)
names(lm1)
summary(lm1)
print(lm1)
# Other function
plot(fitted(lm1), resid(lm1))
qqnorm(resid(lm1))
# Multiple Linear Regression
lm2 <- lm(Confirmed ~ Deaths+ï..Sno , data = df_data)
summary(lm2)
# Regression Diagnostics
par(mfrow=c(2,2))
plot(lm2, which=1:4)
```

Sources	Similarity