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Date : 20-Nov-2020

**[Class Work - 3]**

**COURSE Name: Data Science**

**COURSE CODE: CSC 3305, SEC: 01**

**LECTURER: Dr. RAINI HASSAN**

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**Matric No: 1725413**

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| --- |
| library(mice)  library(missForest)  library(MASS)  #install package and load library  install.packages("Hmisc")  library("Hmisc")  #load data  data("iris")  #seed missing values ( 10% )  iris.mis <- prodNA(iris, noNA = 0.1)  summary(iris.mis)  # impute with mean value  iris.mis$imputed\_age <- with(iris.mis, impute(Sepal.Length, mean))  # impute with random value  iris.mis$imputed\_age2 <- with(iris.mis, impute(Sepal.Length, 'random'))  #using argImpute  impute\_arg <- aregImpute(~ Sepal.Length + Sepal.Width + Petal.Length + Petal.Width +  Species, data = iris.mis, n.impute = 5)  impute\_arg  #check imputed variable Sepal.Length  impute\_arg$imputed$Sepal.Length |

**Output 1 :**

A picture containing text, receipt

Description automatically generated

**Output 2 :**

Text

Description automatically generated

**Output 3 :**

Text, letter

Description automatically generated

**Output 4 :**

**A picture containing text

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