install.packages("ggplot2")

library(ggplot2)

library(readxl)

Model\_LHD <- read\_excel("C:/Users/USER/Desktop/futia/Model\_LHD.xlsx")

View(Model\_LHD)

# Create a new column to distinguish between the two datasets

Model\_LHD$Source <- "Model\_LHD"

Dist\_LHD$Source <- "Dist\_LHD"

# Combine both datasets into one dataframe

combined\_data <- rbind(Model\_LHD, Dist\_LHD)

# Plot using ggplot2

ggplot(combined\_data, aes(x = `FDS`, y = `Std error`, color = Source)) +

geom\_line() +

geom\_point() +

labs(title = "Fraction of design space plot for k=2",

x = "FDS",

y = "Std\_error") +

theme\_minimal()

library(ggplot2)

# Assuming combined\_data has the necessary columns

ggplot(combined\_data, aes(x = `FDS`, y = `Std error`, color = Source)) +

geom\_line() +

geom\_point() +

labs(title = "Fraction of design space plot for k=2",

x = "FDS",

y = "Std\_error") +

theme\_minimal() +

scale\_y\_continuous(

breaks = seq(min(combined\_data$`Std error`), max(combined\_data$`Std error`), length.out = 10), # Adjust this based on the range of values

limits = c(min(combined\_data$`Std error`), max(combined\_data$`Std error`)) # Optional: Set limits

)

# continue using this codes

# Check the column names of your combined dataset

colnames(combined\_data)

# clear the global environment

ls()

rm(list = ls())

library(readxl)

Model\_LHD <- read\_excel("C:/Users/USER/Desktop/futia/Model\_LHD.xlsx")

View(Model\_LHD)

library(readxl)

Dist\_LHD <- read\_excel("C:/Users/USER/Desktop/futia/Dist\_LHD.xlsx")

View(Dist\_LHD)

# Create a new column to distinguish between the two datasets

Model\_LHD$Source <- "Model\_LHD"

Dist\_LHD$Source <- "Dist\_LHD"

# Combine both datasets into one dataframe

combined\_data <- rbind(Model\_LHD, Dist\_LHD)

# Plot using ggplot2

ggplot(combined\_data, aes(x = `FDS`, y = `Std error`, color = Source)) +

geom\_line() +

geom\_point() +

labs(title = "Fraction of design space plot for k=2",

x = "FDS",

y = "Std\_error") +

theme\_minimal()

install.packages("ggplot2")

library(ggplot2)

# Assuming combined\_data has the necessary columns

ggplot(combined\_data, aes(x = `FDS`, y = `Std error`, color = Source)) +

geom\_line() +

geom\_point() +

labs(title = "Fraction of design space plot for k=3",

x = "FDS",

y = "Std\_error") +

theme\_minimal() +

scale\_y\_continuous(

breaks = seq(min(combined\_data$`Std error`), max(combined\_data$`Std error`), length.out = 10), # Adjust this based on the range of values

limits = c(min(combined\_data$`Std error`), max(combined\_data$`Std error`)) # Optional: Set limits

)