

Computational Statistics (732A90) Lab6

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Question 1: Genetic algorithm

In this assignment, you will try to perform one-dimensional maximization with the help of a genetic algorithm.

1. Define the function

$$f(x) := \frac{x^2}{e^x} - 2e^{\frac{-(9\sin x)}{x^2+x+1}}$$

Appendix

```
knitr::opts_chunk$set(echo = TRUE)
options(scipen=999)
library(dplyr)
library(ggplot2)
library(knitr)
library("boot")
set.seed(12345)
```