ASSIGNMENT 14 - TAYLOR SERIES

IS 605 FUNDAMENTALS OF COMPUTATIONAL MATHEMATICS - 2021

This week, we’ll work out some Taylor Series expansions of popular functions.

1

* *f* (*x*) = (1*−x*)
* *f* (*x*) = *ex*
* *f* (*x*) = ln(1 + *x*)
* *f(x)=x(1/2)*

For each function, only consider its valid ranges as indicated in the notes when you are computing the Taylor Series expansion. Please submit your assignment as an R- Markdown document.

1