

Figure 1 shows a plot of the function $f(x) = \frac{1}{1 + \exp(x)}$ for $x \in [-10, 10]$. The function is plotted as a purple curve that decreases from 1 to 0. The plot includes a grid and a legend.

0
-1000
-2000
-3000
-4000
-5000
-6000
-7000

1780 1785 1790 1795 1800 1805 1810 1815 1820