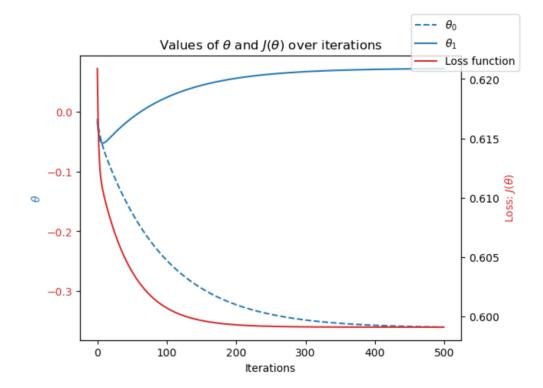
Shaquille Obomeghie Exercise 1.3

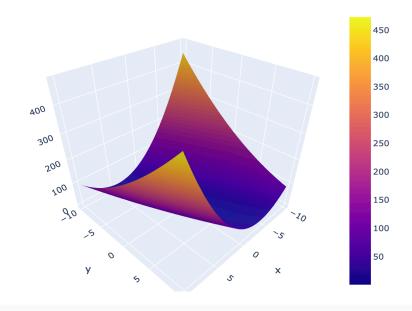
Weather	Year	Thetha0	Theta1	Iteration	Step Size
Station					
BASEL	1962	0	0	500	0.01
BASEL	1990	0	0	600	0.05
BASEL	2020	0	0	500	0.05
MADRID	1960	0	0	500	0.05
MADRID	1990	0	0	500	0.02
MADRID	2020	0	0	500	0.01
STOCKHOLM	1960	0	0	300	0.1
STOCKHOLM	1990	0	0	100	0.01
STOCKHOLM	2020	0	0	150	0.1

- The mean temperature of all stations increased over time (60 years).
- The minimum temperature of the Basel station drastically dropped from 1962 to 1990 but remained steady from 1990 to 2020.
- Basel had the biggest increase in maximum temperature between the 3 stations.

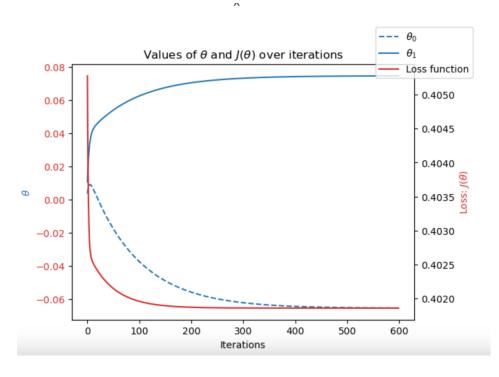
Basel 1962



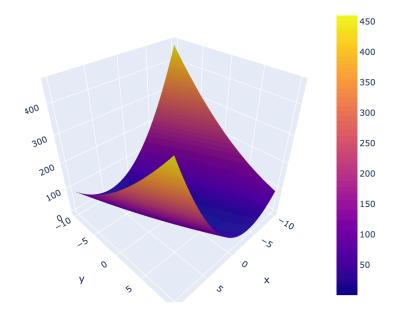
Loss function for different thetas



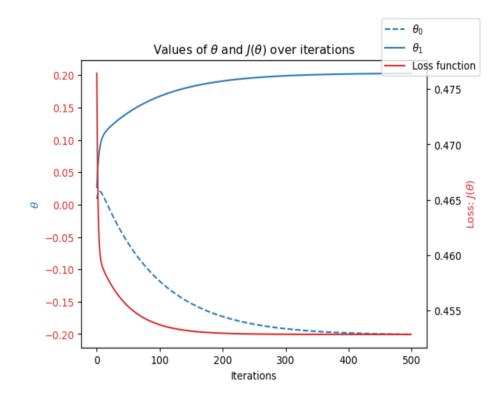
Basel 1990



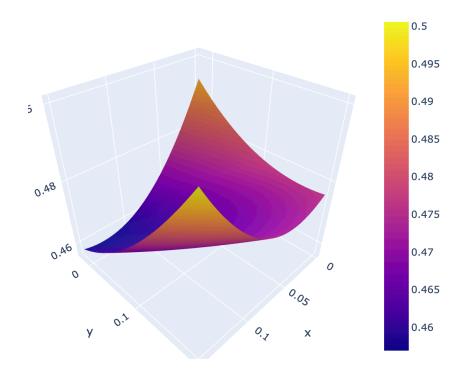
Loss function for different thetas



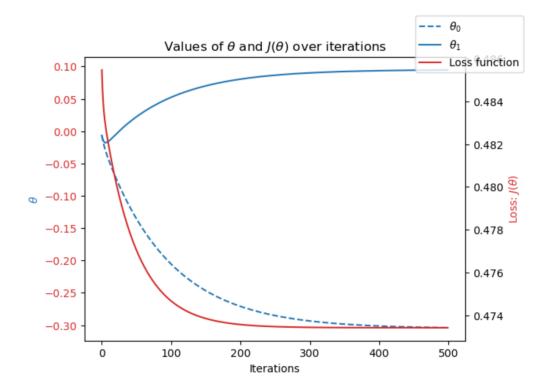
Basel 2020



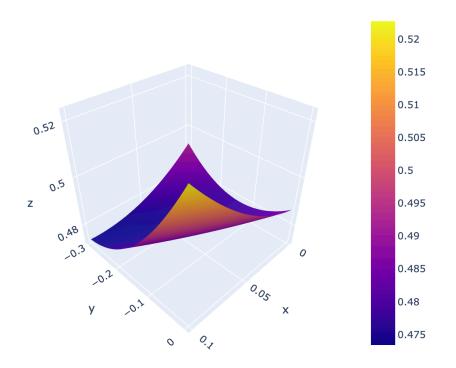
Loss function for different thetas

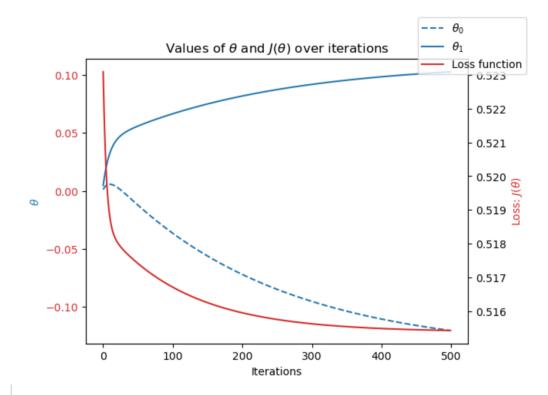


Madrid 1960

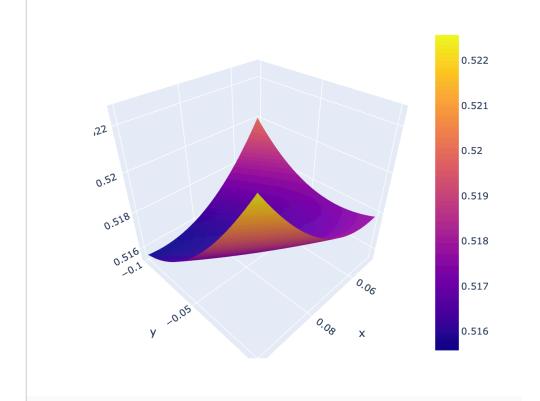


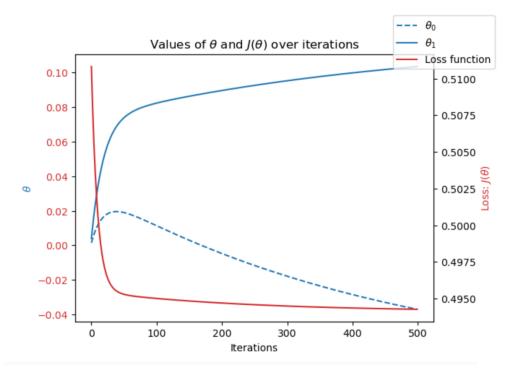
Loss function for different thetas



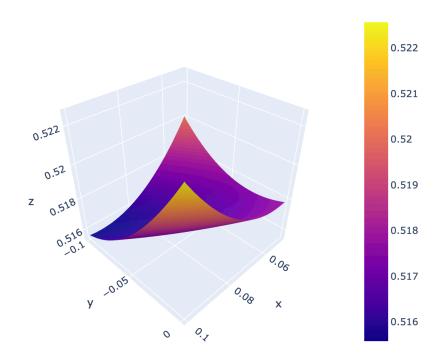


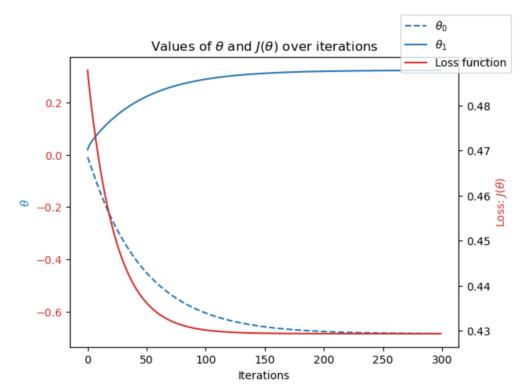




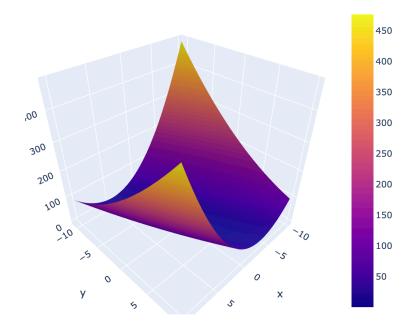


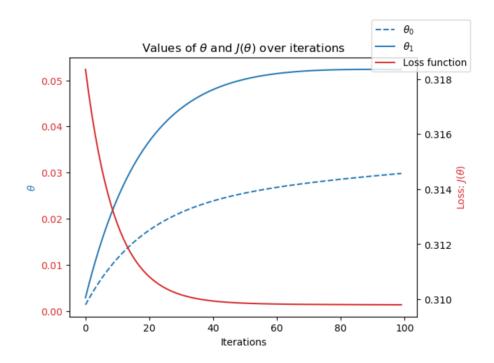
Loss function for different thetas



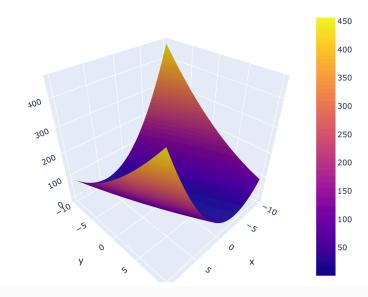


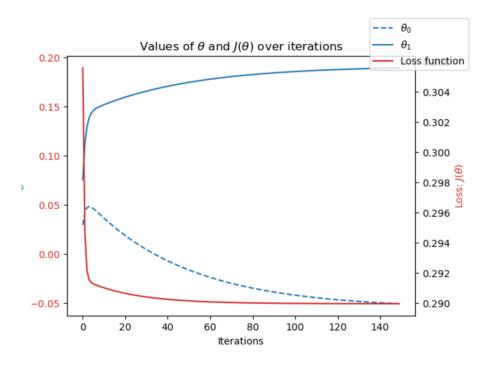
Loss function for different thetas





Loss function for different thetas





Loss function for different thetas

