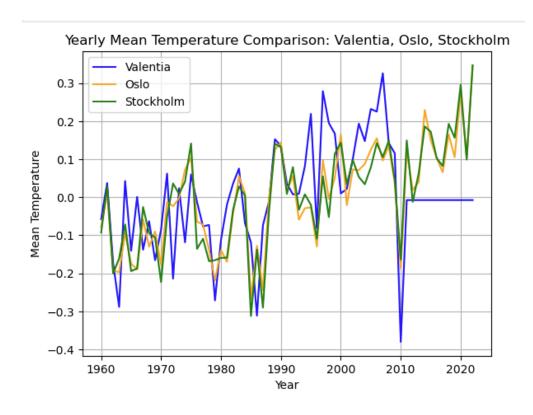
Exercise 1.3

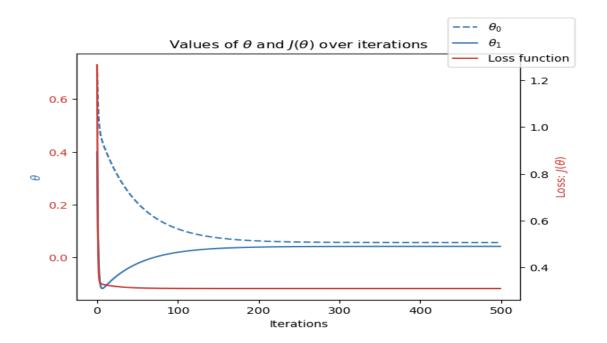
Weather	Year	Theta0	Thera1	Iteration	Step
Station					Size
Stockholm	1990	0.0559	0.0414	500	0.1
Oslo	2000	-0.234	0.2178	500	0.1
Valentia	1980	-0.692	0.3163	500	0.1



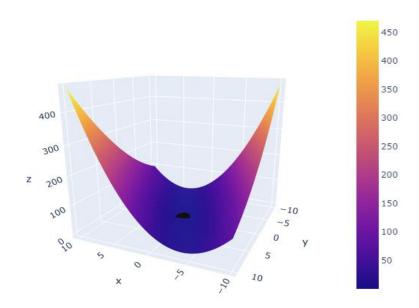
I aggregated the average yearly temperature for the three countries:

- Overall temperatures have flucuated year to year, but have steadily increased in the long term.
- Valentia increased temperature drastically between 1995 and 2000.
- All three countries saw a decrease in average yearly temperature in 2010.

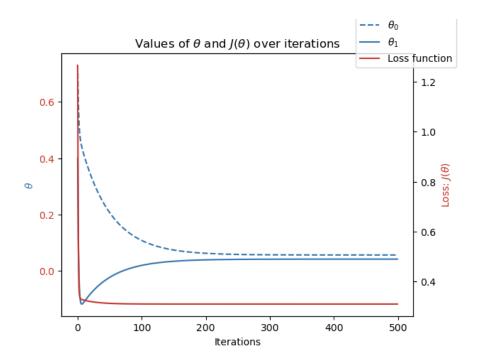
Gradient Descent Analysis - Stockholm in 1990



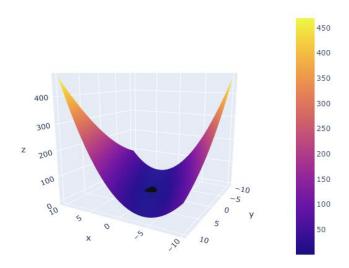
Loss function for different thetas



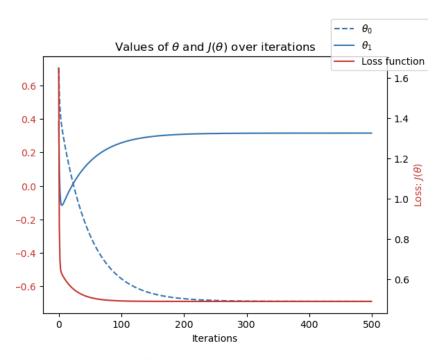
Gradient Descent Analysis - Oslo in 2000



Loss function for different thetas



Gradient Descent Analysis - Valentia in 1980



Loss function for different thetas

