

The impact of climate change on crop yield

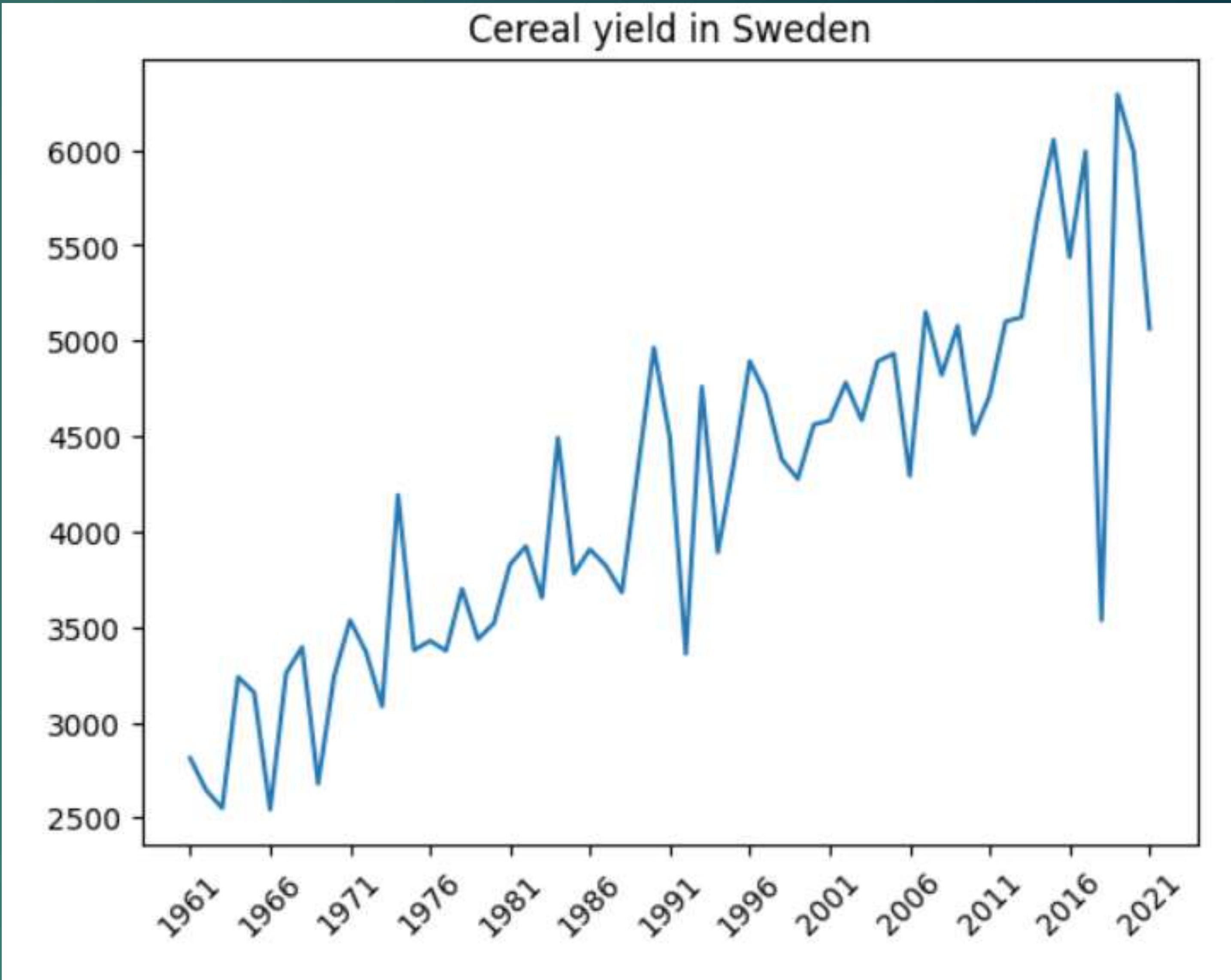
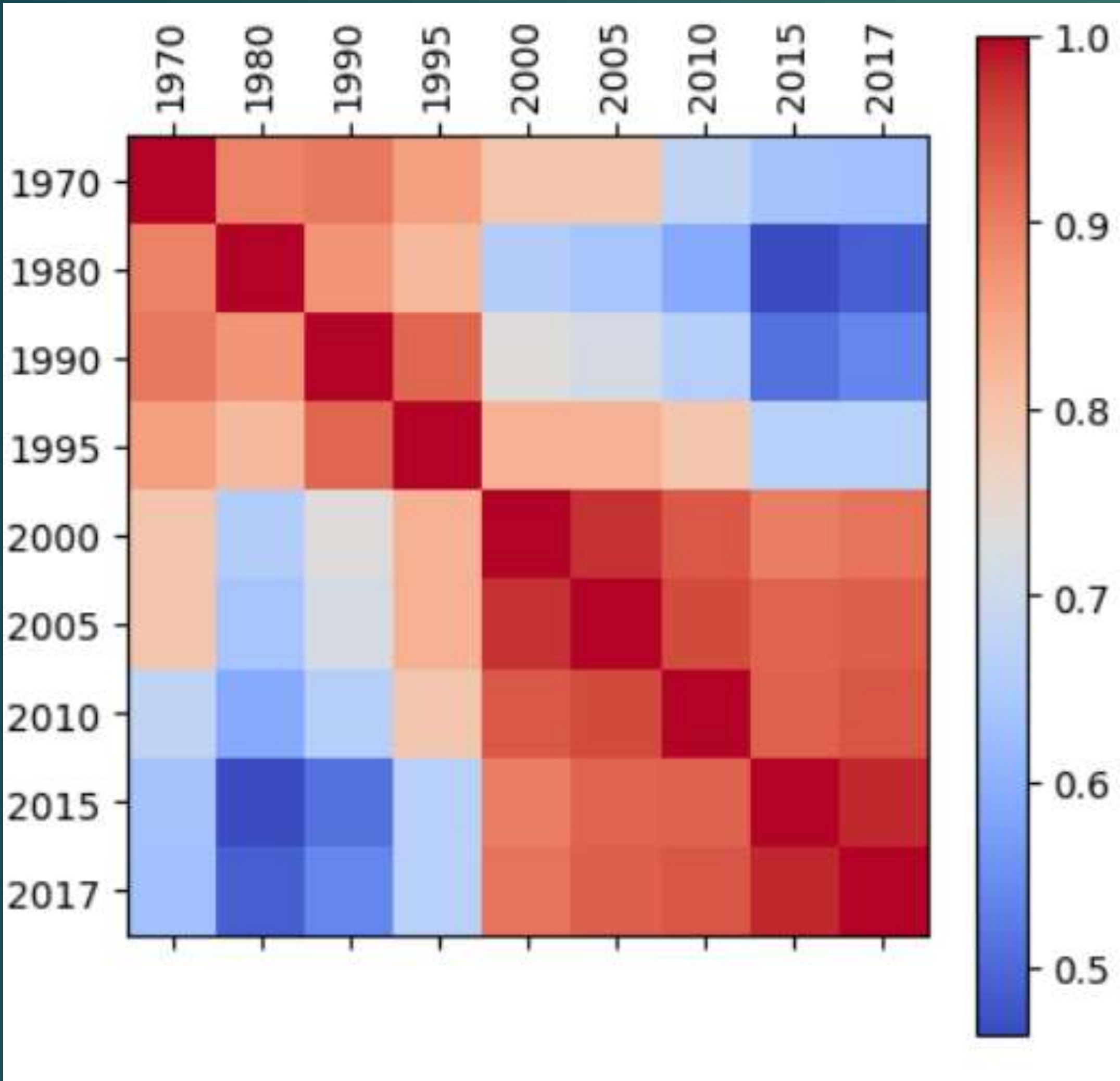
CEREAL YIELD REFERS TO THE AMOUNT OF CEREAL CROP (E.G., WHEAT, RICE, MAIZE, ETC.) HARVESTED PER UNIT AREA OF LAND, USUALLY EXPRESSED IN KILOGRAMS PER HECTARE (KG/HA) OR BUSHEL PER ACRE. IT IS A CRUCIAL INDICATOR OF AGRICULTURAL PRODUCTIVITY AND FOOD SECURITY, AS CEREALS ARE A STAPLE FOOD FOR A LARGE PART OF THE WORLD'S POPULATION. THE CLIMATE CHANGE DATASET WHICH CAN BE DOWNLOADED FROM THE WORLD BANK WEBSITE CONTAINS INFORMATION ABOUT THE CEREAL YIELDS OF ALL THE COUNTRIES ACROSS THE WORLD.

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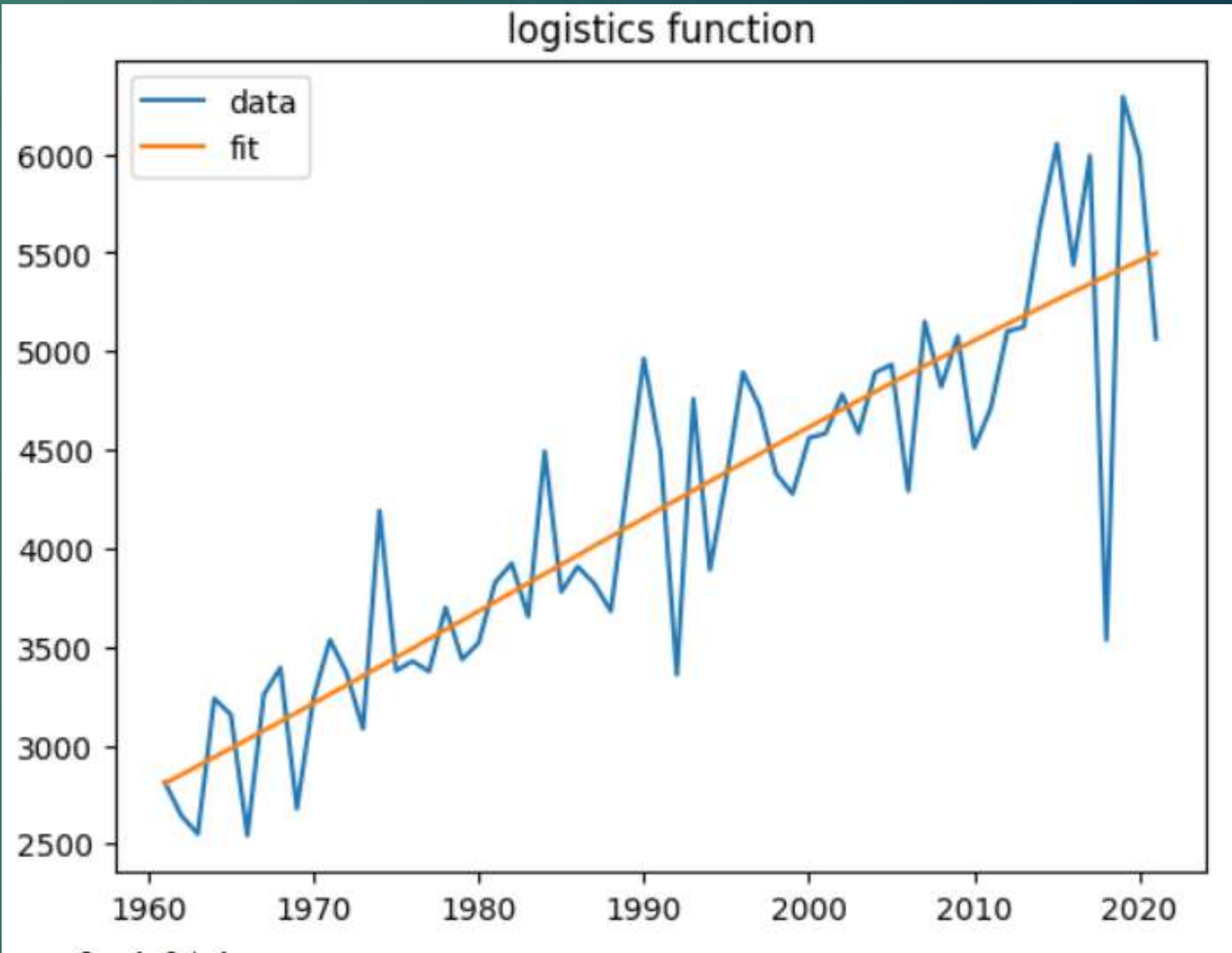
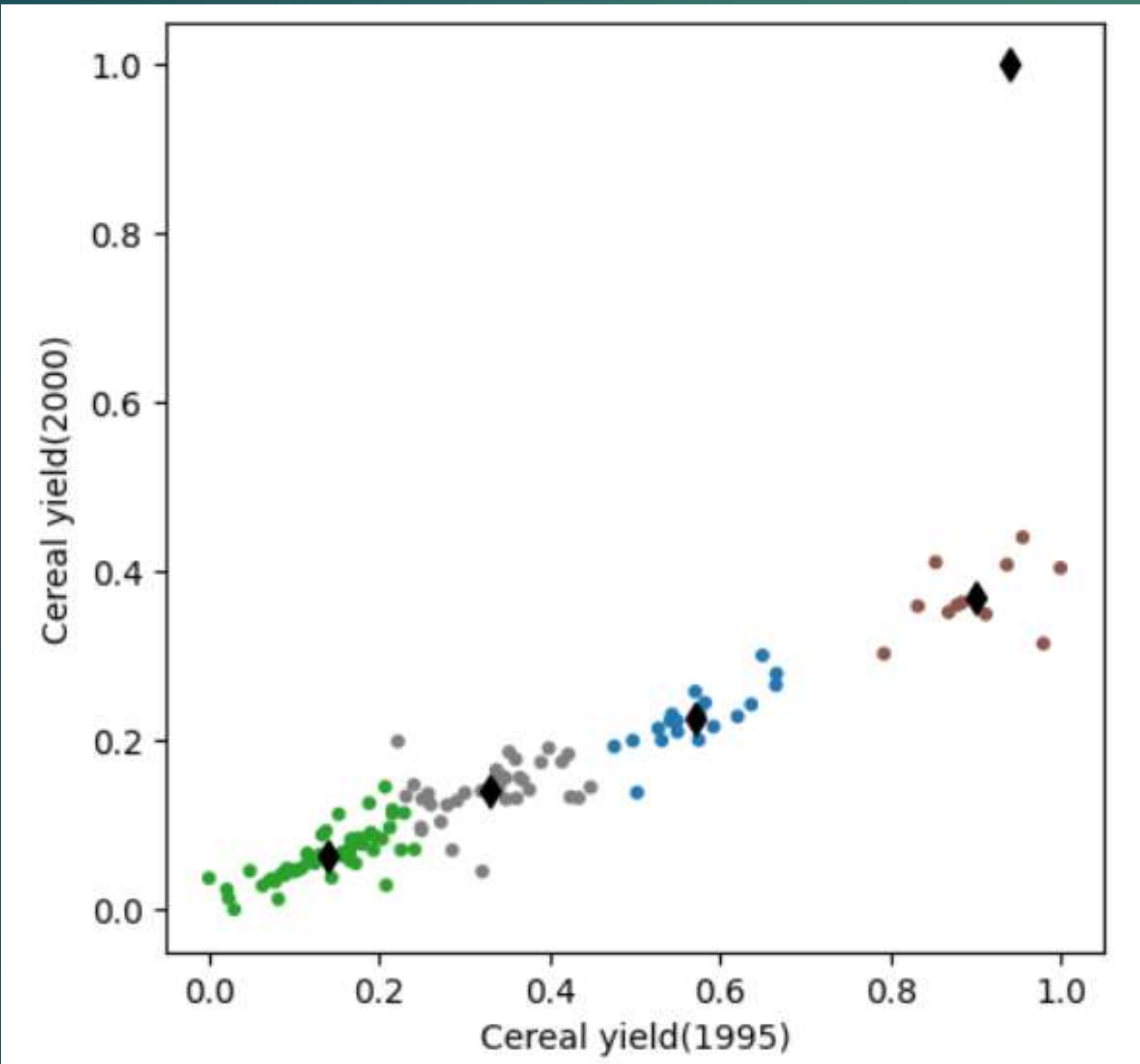
GITHIB LINK: [HTTPS://GITHUB.
DATA-SCIENCE-ASS-03](https://github.com/Muhammad-Awaish/Data-Science-Ass-03)

Crop yield in Sweden

Heat Map



K-means Clustering



Polynomial error function

