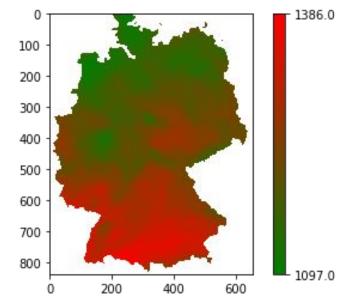


Approach: Finding Locations considering radiation

✓Identify regions with the greatest solar radiation, as these offer the greatest potential for the use of solar panels.

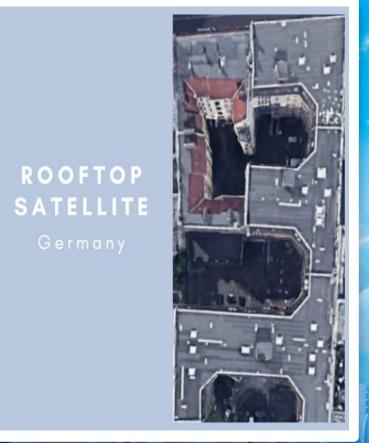
✓ Using the radiation dataset from the German Weather Institution.

✓ High values and thus increased potential in the south of the country



Approach: Finding Locations

- ✓In cities? Disadvantages:
 - Lack of available rooftop spaces
 - Pollution
 - Many house owners / inhabitants
 - Expensive installation

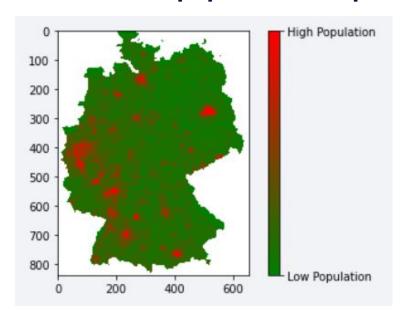


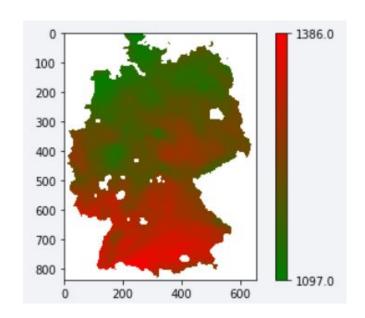
Approach: Finding Locations

- ✓In lower populated areas:
 - Generally more roof space
 - Less pollution
 - Single owner
 - Cheaper installation



A look at the population map:

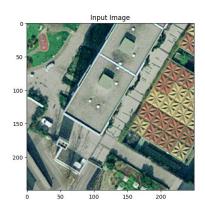


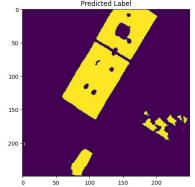


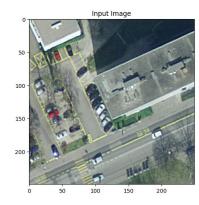
→ Search best suited locations

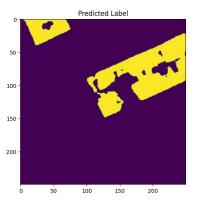
Detection of rooftops through Google Satellite images

- Get images with Google Static Maps API
- Identify areas with many roofs using pre-trained CNN















THANKS!

Any questions?

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