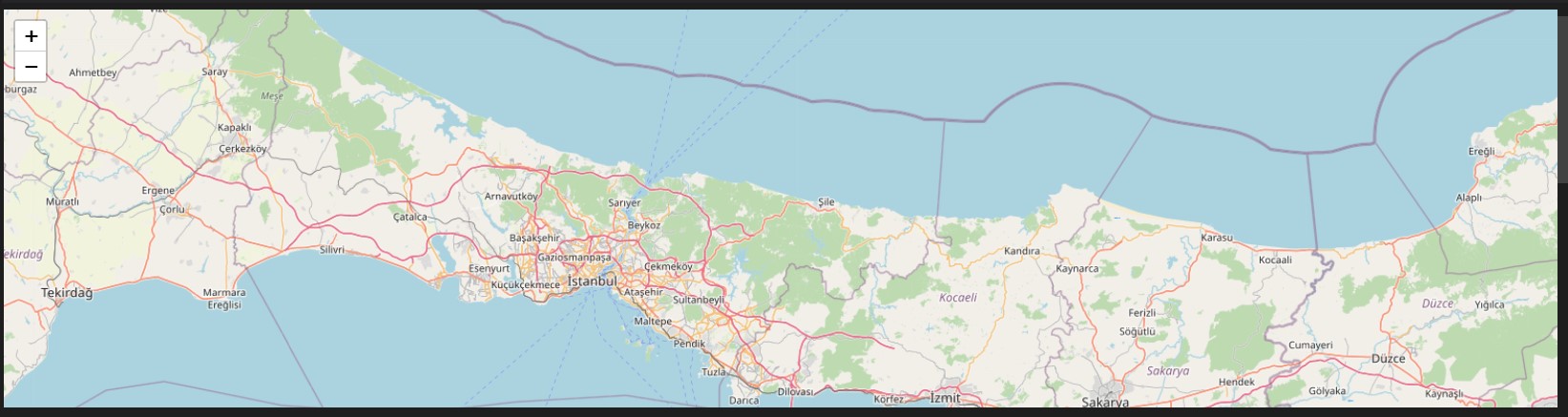
## **Introduction: Business Problem** [**¶**](https://render.githubusercontent.com/view/ipynb?commit=370f81833bd732eae415f00a8aa19978f2494bec&enc_url=68747470733a2f2f7261772e67697468756275736572636f6e74656e742e636f6d2f79756e7573756c756361792f436f7572736572615f43617073746f6e652f333730663831383333626437333265616534313566303061386161313939373866323439346265632f636f7572736572615f63617073746f6e655f70726f6a6563742e6970796e62&nwo=yunusulucay%2FCoursera_Capstone&path=coursera_capstone_project.ipynb&repository_id=260896274&repository_type=Repository#Introduction:-Business-Problem-)

These days we deal with coronavirus and fast intervention is quite important. We want to show the nearest hospital to a coronavirus patient so in this way they can intervene faster to the patient. And prevent to spread it much more because of that patient. So our business problem is briefly to direct the patient to the nearest hospital. In our project we will look at the patients and hospitals in Istanbul.



* 1. Istanbul map.

## **Data**

In introduction section we specified the problem that we will solve. The problem was to find the coronavirus patients' location first. After finding the patients, showing them the nearest hospital to go. So for this we need patients' locations and hospitals' locations. We can get hospitals' locations from Foursquare location data and we will use this data to direct the patient to the nearest hospital. But the data that we will use will be unique for each patient.



* 1. The data that we collect from Foursquare API. The hospitals that near to the patient’s location.

## **Methodology**

We need patient's location. So first patient gives his/her location. After that we find the hospitals that near to the patient. Foursquare gives us the distance too. So this makes us faster. We sort distance and we show the nearest hospital to patient as a black icon while the others' colors were blue. And we print the nearest hospital's name. And on the map the patient can see where the nearest hospital is.

## **Results and Discussion**

By this way the patient can find the nearest hospital. This can be develop by making some visualizations or only giving location maybe we can show the patient directions or maybe we can send find the hospital's number and send the patient's location to them as a message etc.

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* 1. Patient and hospitals. Red dot shows patient, black dot show the hospital the nearest one while rest of them showing the hospitals too.

## **Conclusion**

This project aimed that spend less time to search the nearest hospital. But as we say previous section this project can develop much much more. Thank you.