

# Term Project Proposal

## Cancer Prediction using Single Nucleotide Polymorphism Dataset

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Bioinformatics (Fall 2018)

### 1 Background

The RFID based indoor positioning usually implemented in indoor object tracking, flight baggage handling, etc. The process start with a RFID reader detects a RFID tag when the object with the tag enters the reader's detection range. But, often the recorded data inherent uncertainty, including noise/cross readings (it must be detected by a reader, but it detected by multiple readers) and incompleteness/missing readings (it must be detected by a reader, but it did not detected). Thus, the reading results are considered unclean and we need to cleansing this indoor RFID tracking data by reducing the noise, and recovering the incompleteness.

### 2 Problem Statement

Modeling of indoor RFID trajectory data with uncertainties using IR-MHMM;

### 3 Problem Scope

It compare three Learned models.

### 4 Related Works

It compare three Learned models.

### 5 Methodology

It compare three Learned models.

### References

- [1] A. I. Baba, H. Lu, T. B. Pedersen, and X. Xie. *Handling false negatives in indoor RFID data*. In MDM, pages 117–126, 2014.
- [2] B. Fazzinga, S. Flesca, F. Furfaro, and F. Parisi. *Cleaning trajectory data of RFID-monitored objects through conditioning under integrity constraints*. In EDBT, pages 379–390, 2014.