Prediction of Optimal Location for setting up a coaching institute

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Background:

Pune, the second most biggest city in the State of Maharashtra, India is well known for its reputed colleges and universities which include colleges like Fergusson College, Savtribai Phule Pune University, Symbiosis College, etc. And with so many institutes scattered almost in all parts of city it is evident that whole city has huge scope for private coaching institutes to set up.

Problem:

There are various coaching that establish every year not that all run successfully. If a student needs to attend a coaching institute he or she will look into two things,

1. The Quality of Coaching in a institute.

2. The location of that institute.

The first problem can be easily solved by recruiting the best tutors but the second problem is something that always proves to be a hurdle. All good coaching institutes choose the best location to start their classes and it is usually near colleges and universities. But in case of Pune, where there are many colleges(More than 100), one needs to be sure of the location and it must be convenient for students of various colleges and universities to attend the classes. In this project we try to find a solution to this problem for the potential Coaching Institutes and same algorithm can be used for many other cities.