

# Peer Review for CS 5412 Big Sister Project

Jay (fjt37)

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Overall, sounds like a really cool project with interesting data. I have a couple comments.

The first comment is about wind at airports. You talk about trying to minimize drag and fuel usage when scheduling take-offs and landings. Do you intend to take wind speed and direction into account? For example, in a real airport setting, flights are scheduled to take off on a runway facing into the wind if possible, especially heavy flights.

Second, I'd be a little concerned about running tier 3 in the cloud, unless you plan on paying. The free options in the cloud are usually fairly weak, so training/updating an ML model and doing a lot of backend computation there is likely to be very slow. That being said, I've never used Google's cloud service, so maybe their free tier is more generous, but I doubt it. Anyway, just something to keep in mind. You might be better off running tier 3 on a laptop as well.

Feel free to follow up on email if you have any questions/clarifications about anything I said.

Also, I'm fairly certain that Professor Birman has designed an air traffic control system before. If you haven't already talked to him about your project, I'm sure he would have some good insights.