# Midterm Tips

* Citing papers & books, referencing them but only with the focus to **compare** your own findings to what experts are doing
* Reflect on what could be improved if you had more time, or a bigger computer, or more scientists: where could the research go in the future
* Always a good idea to have a section at the end which is self-reflective, ie suggestions for future research. Then you can show-case your knowledge and understanding withouth straying from the brief. eg further hyper-paramter tuning you might wish to do in the future. Then, maybe you could mention use of a Self-Organising Map or PCA in a futur research project?
* It takes a lot of time to tune up a ML parameter, to think about further experiments or how you might tune in the future.
* Submit both pdf and jupyter notebook otherwise you will fail
* Illustrate with visualizations in the report
* I cannot agree with Tim and Habibur enough: everything has to relate to the main aim of the study.
* ML papers for inspiration: do web searches to find inspiration
* Look at what other researchers have done with this dataset or similar Spotify datasets.
* Compare my results with published results, what others have done.
* This would set your work in context, it doesn’t matter if these other studies are more accurate.
* Think about **why** did they get a better answer? More processing? A better algorithm? Daisy-chained together different techniques?
* No marks are allocated for *beating* anything.
* They never run your code!
* Link to the database, where it came from, when accessed, but not the actual database.
* HTML not executable version of the Notebook.
* And the pdf report.