

MSc Presentation prep

# How to prepare your presentation

- The presentation is an assessed presentation
- In particular, the following aspects of your presentation are assessed:
  - Use of visual aids e.g. slides
  - Evidence of preparation
    - Diagrams
    - Concise descriptions
    - Any prototype code
    - Structure?

# Ideas for presentation structure

- Title slide
- Brief introduction / simple summary of your idea
- Context
  - Who else has done things related to your idea?
  - Are there any issues with those projects?
  - Are you going to address them? How?
- What tools and frameworks are you going to use
  - e.g. platforms, programming languages, data sets etc.
- Why are you going to use them?
- What are the biggest problems you're going to face?

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# Other considerations

- Time – you only have 10-15 minutes
- Don't have too many slides. 5 is a good minimum. 10 might be a lot. 15 might be too many
- Practice your presentation

# Example projects

- Pick a selection of writings by a notable person and use LDA topic modelling to analyse them. Create a short, online report about your findings with visualisations.
- Create an interactive artwork using an existing pre-trained machine learning system
- Create an application that tracks human motion with a camera and/or sensor and uses it to control some media - e.g. sounds, images, video
- Create an online interactive audiovisual composition that can be accessed freely on the web
- Create a tutorial web-page that helps people understand how to do basic machine learning using web tools
- Build an embedded system that can be worn on the body and used to communicate with people over the internet without the user having to use a screen
- Build a recommendation engine that uses big 5 personality traits to recommend that kind of support animal that users might want to buy.
- Make an autonomous robot that can sense its surroundings and move towards human interactors in order to request affection.
- Build a chrome web plugin that automatically summarises web pages you are browsing
- Build a chrome plugin that interactively reports the toxicity of any section of any web page that you are browsing
- Create a web crawler that rates web pages for novelty, including social media feeds, so that
- A combination of any two of the above.