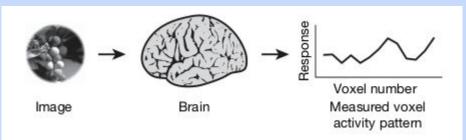
Introduction



Background:

fMRI measurement of brain activity while visually perceiving an image stimuli



Kay, Naselaris, Prenger, & Gallant, (2008)

Question:

Can we decode high level visual features from the fMRI data?

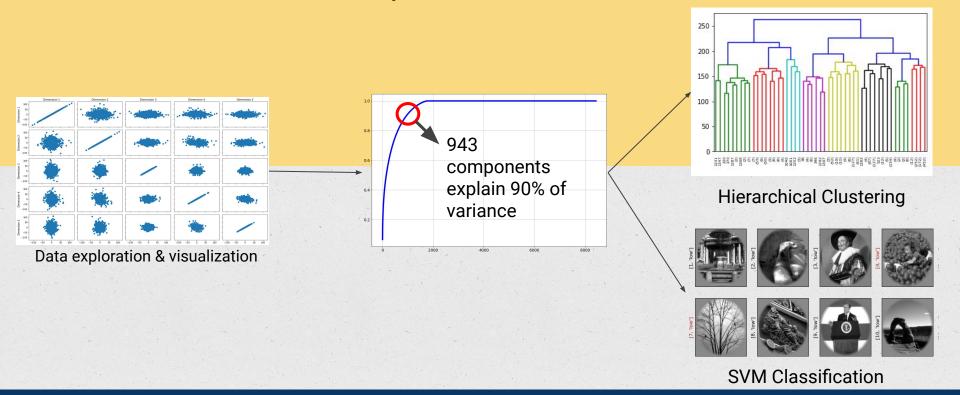


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Approach



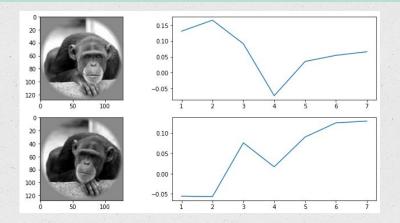
Distribution of tasks/analyses

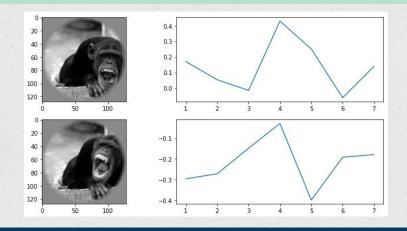


Conclusions



- Images that we regard as similar do not necessarily produce a similar response across the brain.
- The semantic labelling of the images is not useful.
- Asking the correct question is the most complicated part.
- What more we can do:
 - Build dictionaries of neuronal activations corresponding to different stimuli.
 - Investigate region specific effects.





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