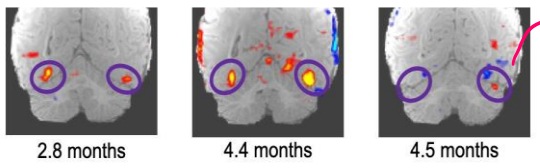
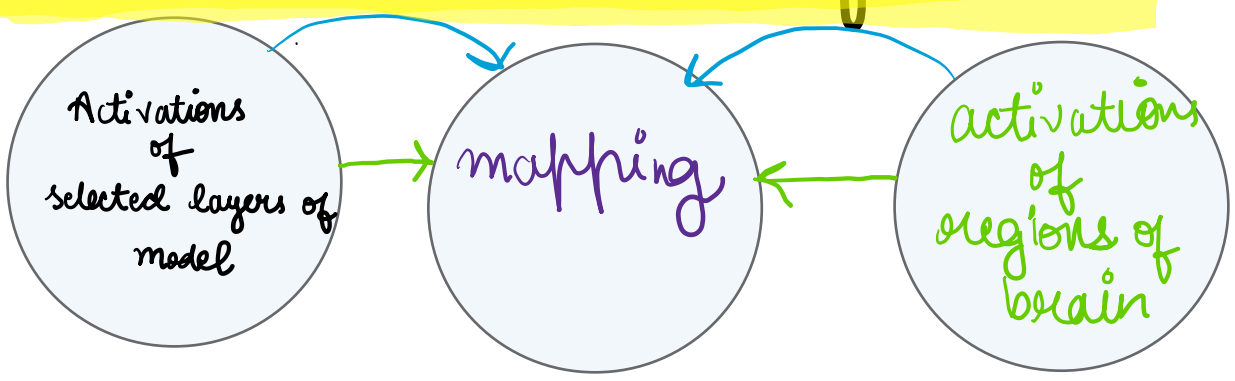
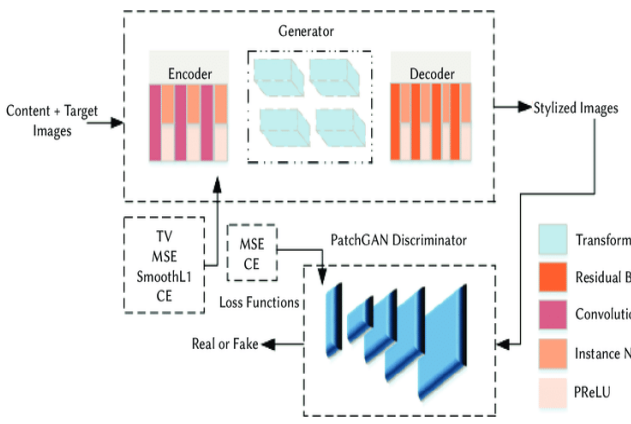
[Computational models of category selectivity brain regions enable high throughput test of selectivity]



There are 3 regions in brain for object recognition:
1. EBA (body)
2. PPA (place)
3. FFA (face)

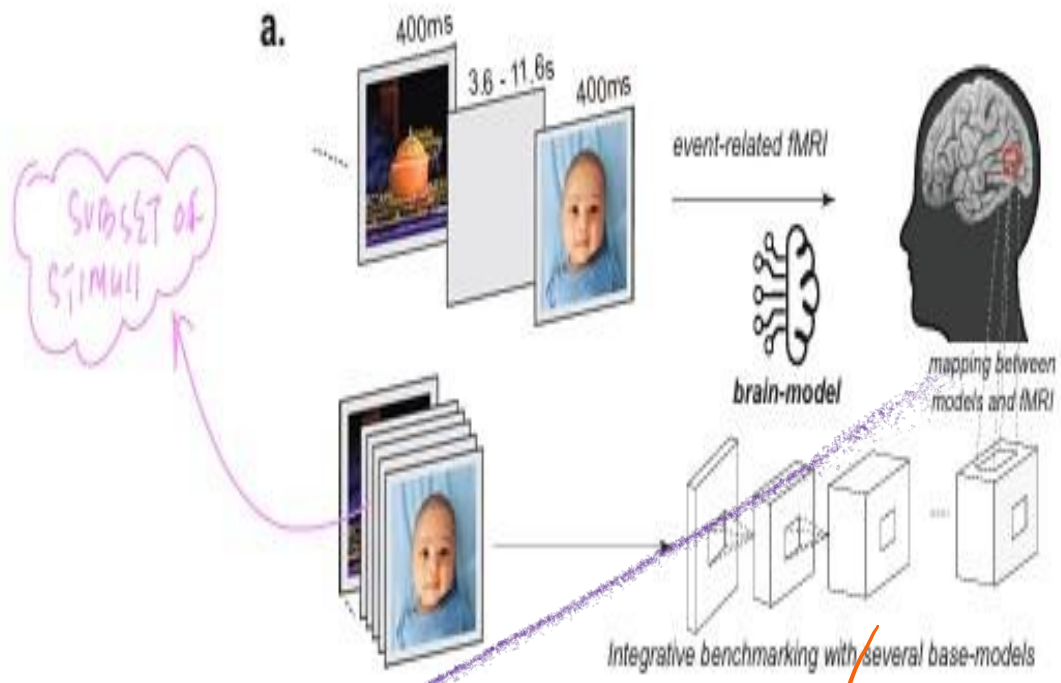
Model to brain Alignment





model architecture of GAN

* It was used to generate those images or stimuli that will trigger different regions of brain.

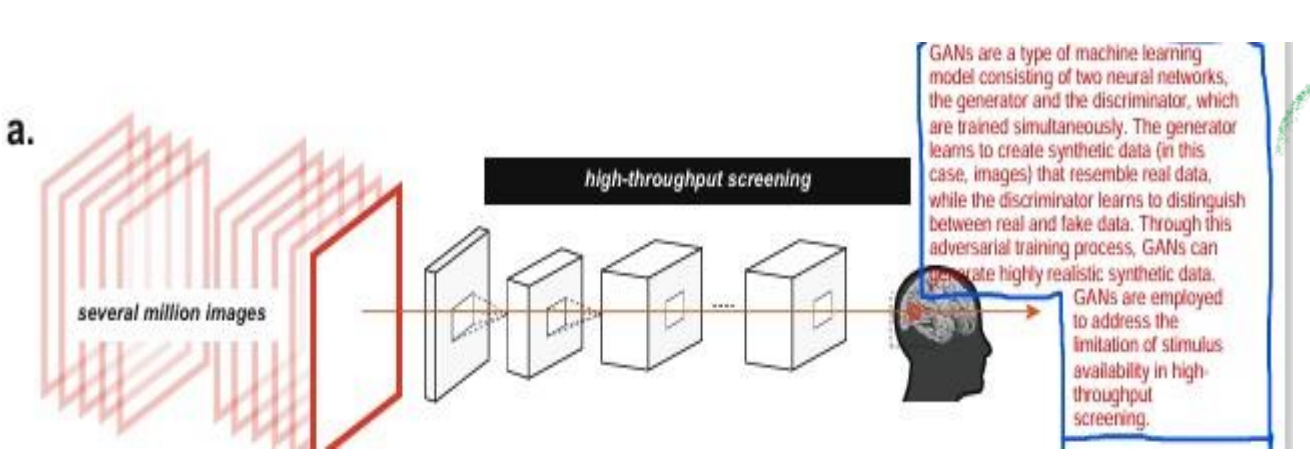


Mapping between observed and predicted

methodology + workflow

1. data recorded via fmri by showing a set of stimuli to participants
2. The data recorded will be fed into the model to see the comparision

data taken from the 4 participants is averaged
↓
averaged data (pooling) + features of stimuli fed into the model
↓
The model predicts the response of regions activated by looking at certain parts of stimuli
↓
The linear mapping exist between the predicted and observed response of ROI's.



using GAN and high throughput screening it is to find out to which degree a specific part / region of the brain will respond when shown stimuli