

Hierarchical Bayesian model

Total points 2/4

The respondent's email (m22cs060@iitj.ac.in) was recorded on submission of this form.

✓ Which of the following statements are true for **Hierarchical Bayesian Model** *1/1

- ☒ Model parameters are defined as probabilistic functions of hyperparameters ✓
- ☒ Model parameters and hyperparameters are learned together from observations ✓
- ☒ Hyperparameters imposes constraints on model parameters ✓
- ☒ We can go up to arbitrary levels of knowledge abstraction ✓



✗ Generic knowledge *

0/1

- ☒ Is derived out of specific knowledge ✓
- ☐ Is independent of specific knowledge
- ☐ Is same as the specific knowledge, when derived out of a large dataset
- ☐ Influences specific knowledge

Correct answer

- ☒ Is derived out of specific knowledge
- ☒ Influences specific knowledge

✓ Shape bias in humans can be explained by *

1/1

- ☐ Deductive reasoning
- ☐ Parameter estimation
- ☒ Inductive generalisation ✓
- ☐ Observations on rare object classes



✗ What is **shape bias** ? *

0/1

- ☐ Bias to use aesthetic shapes in man-made objects
- ☐ Preference given to shape over other image properties to identify an object
- ☒ Cognitive bias associated with the shape of objects earlier seen ✗
- ☐ Psychological bias towards simple geometric shapes

Correct answer

- ☒ Preference given to shape over other image properties to identify an object

This form was created inside of Indian Institute of Technology Jodhpur.

Google Forms





