Modeling Uncertainty in Predicting Emotional Attributes from Spontaneous Speech
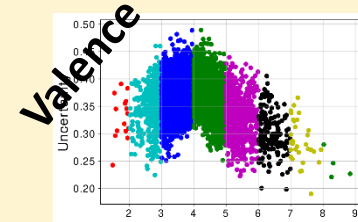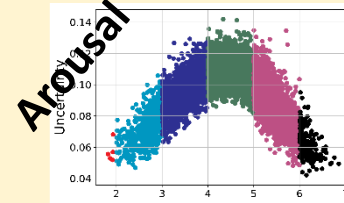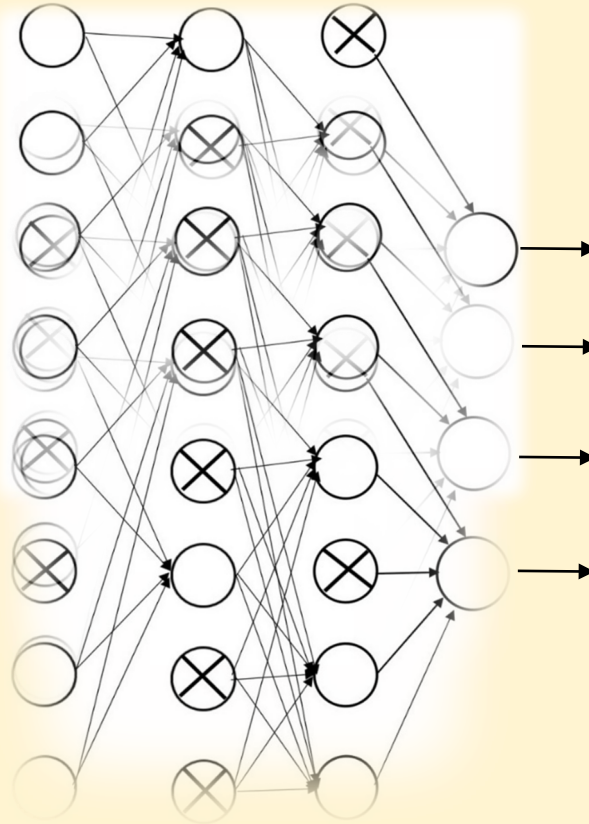
Thresholds for sample selection
— global selection
⌒ balanced selection

$$p(x_{test}|X) \approx \int p(x_{test}|\omega)p(\omega|X)d\omega$$
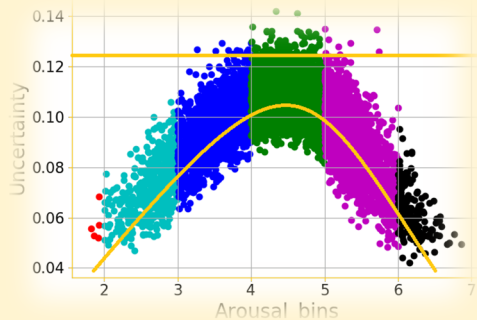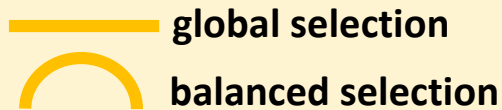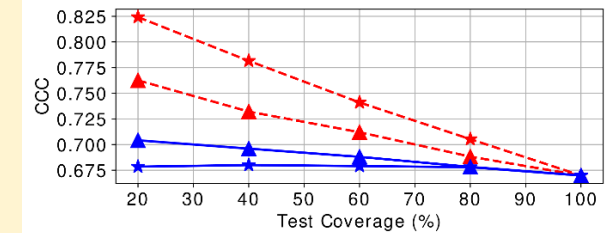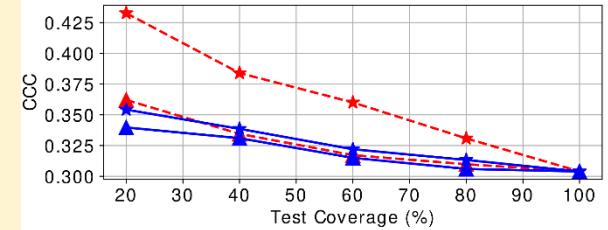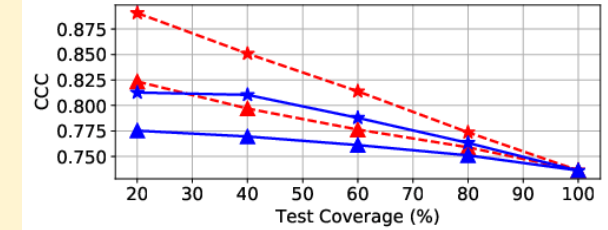
Approximating the predictive posterior using Monte Carlo dropout
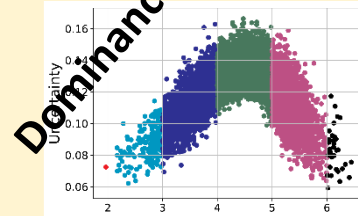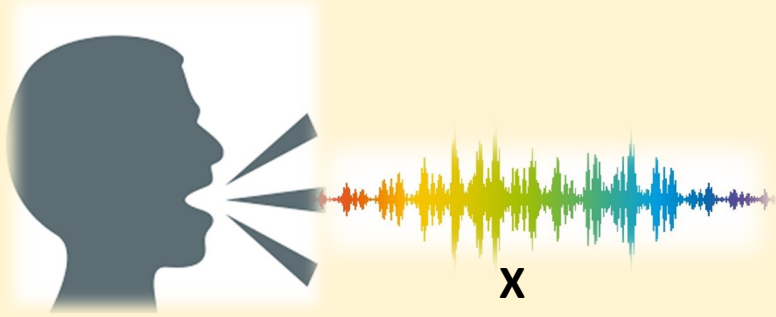
Test predictions with uncertainty

Reject Options

Increase in CCC as uncertain samples are rejected

Test Coverage

CCC