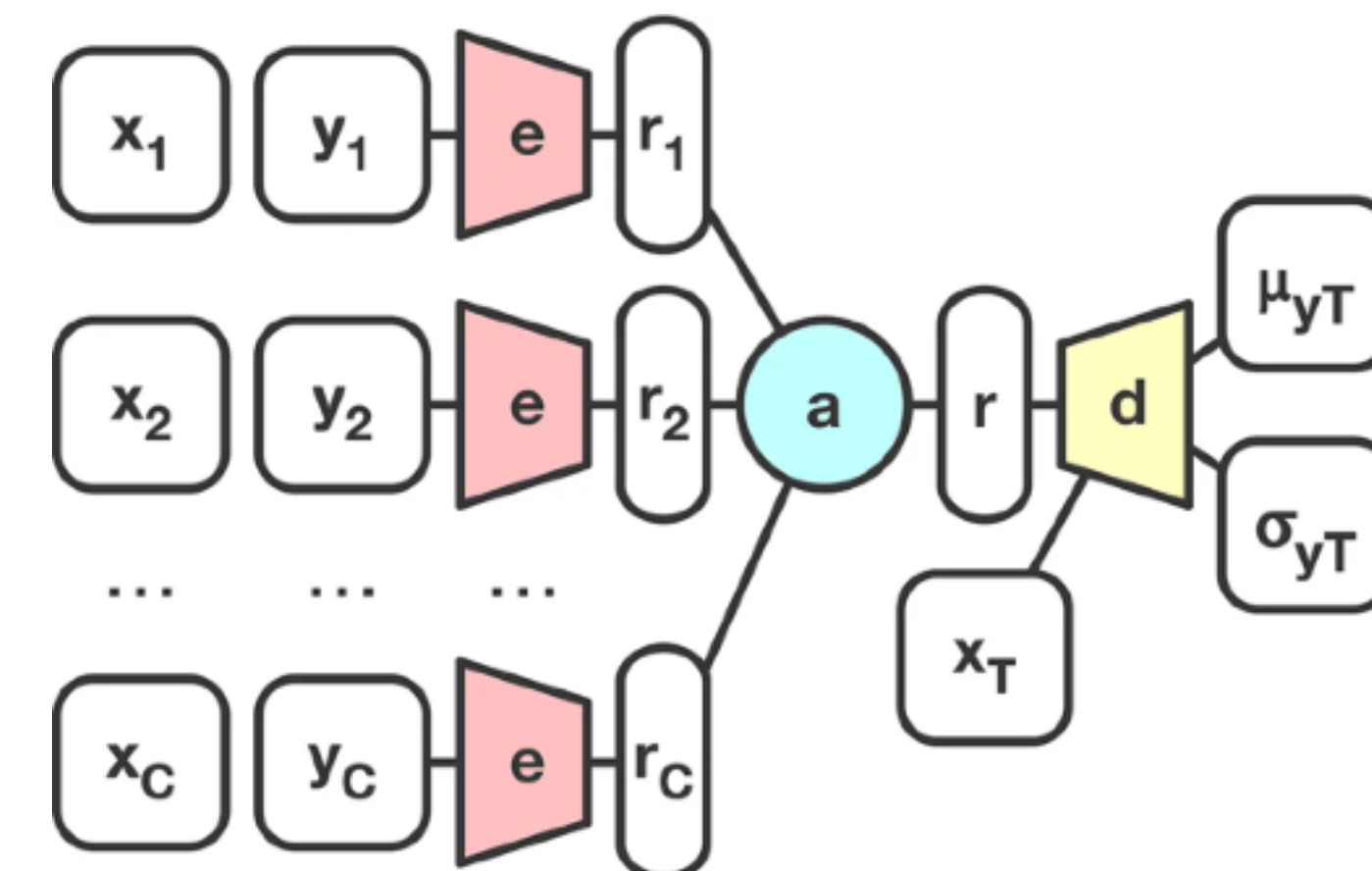


Preliminary Work

Limitations of CNP

- Under-fitting
- For different context data points, **their importance is usually different** in the prediction.
- However, the aggregator of CNP **treat all the support data equally** and can't achieve query-dependent context information.
- Moreover, the CNP simply concatenates the input features and numerical label values of post together as input, **ignoring the categorical characteristic of labels**.



https://colab.research.google.com/github/deepmind/neural-processes/blob/master/conditional_neural_process.ipynb

Methodology

Meta-learning Neural Process Design

