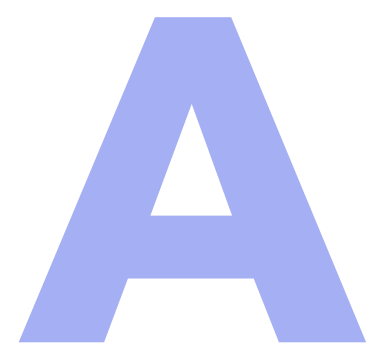
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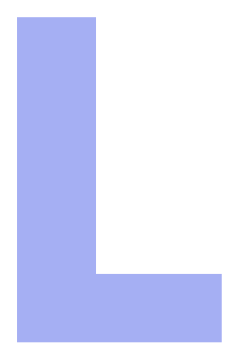

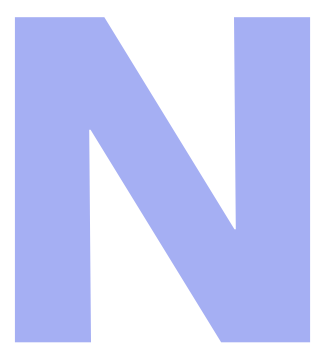

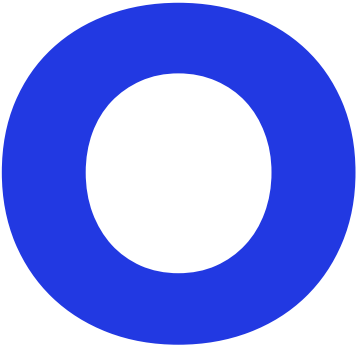

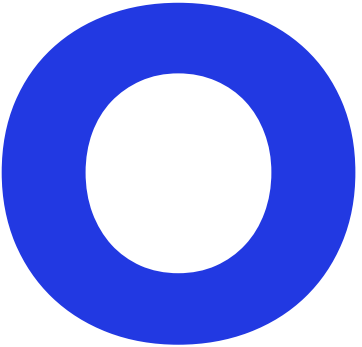

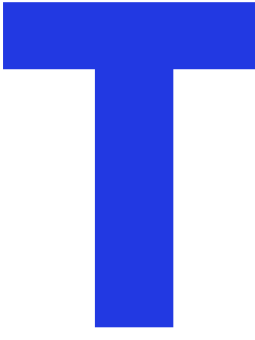

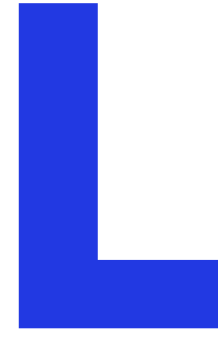

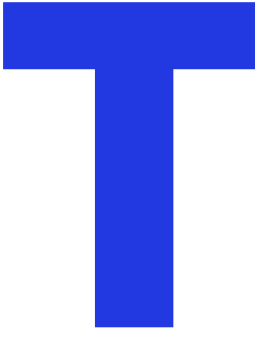

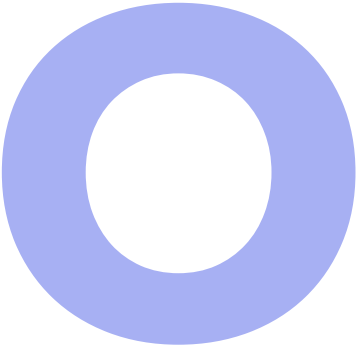

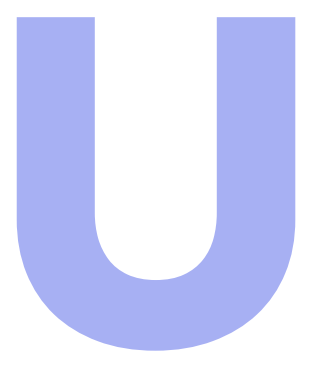

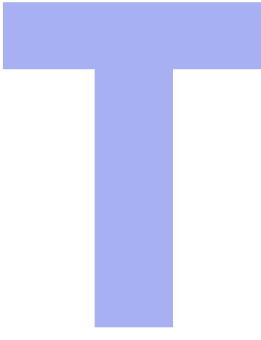

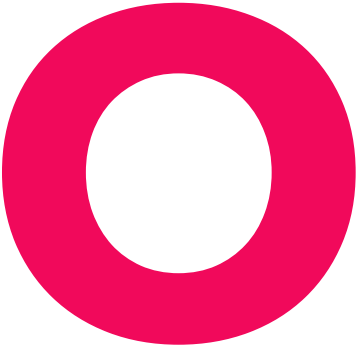

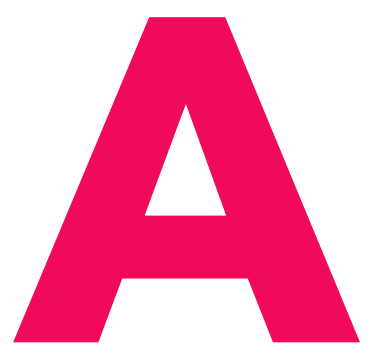
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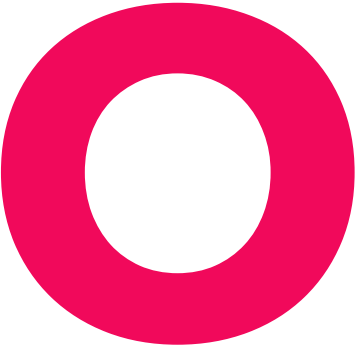

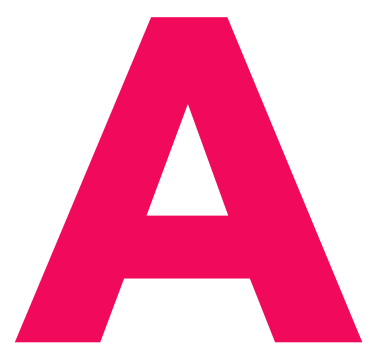
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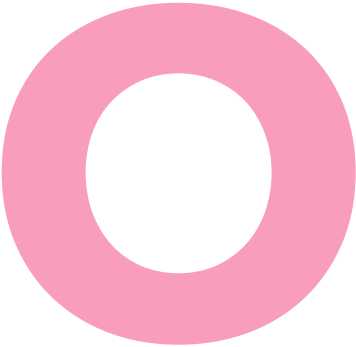
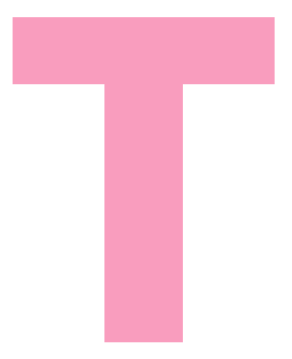
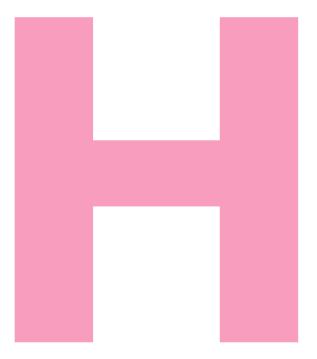
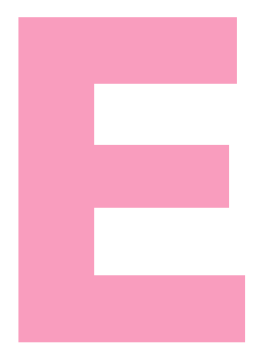
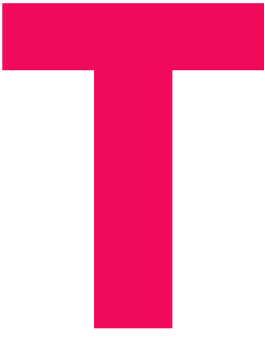










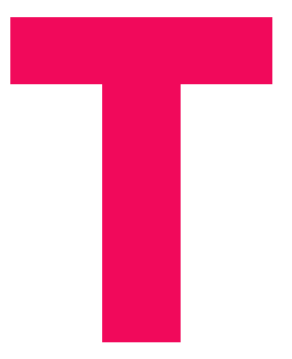

R


R


P

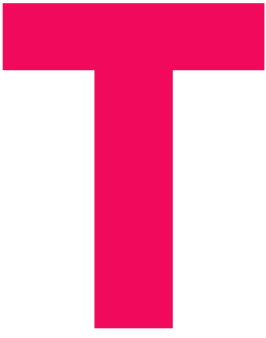

R

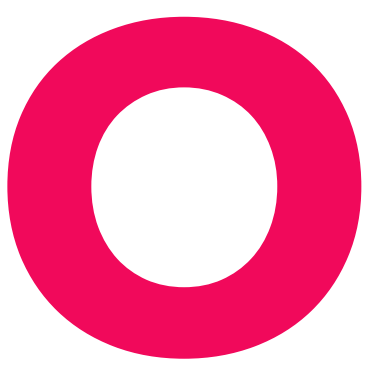

D




R


B





APPLYING DROPOUT MULTIPLE TIME FOR ON INPUT

MONTE CARLO SAMPLING OF THE POSTERIOR PREDICTIVE DISTRIBUTION

mc_dropout.py

```
input = read_image("car.png")
outputs = [] # Monte Carlo samples

for i in range(100):
    new_output = neural_network(input, dropout=True)
    outputs.append(new_output)

posterior_predictive_mean     = mean(outputs)
posterior_predictive_variance = variance(outputs) # uncertainty
```