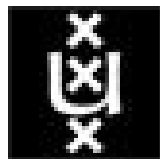




Data Science Game Final

Emiel Hoogetboom, Minh Ngô,
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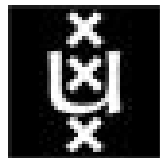
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Our Approach

- Feature engineering
 - Prior probabilities over categorical classes
 - Ranking variables
 - Count of total quotes
- Normalization/standardization
- 44 features in total
- Hard Negatives sampling
- Tried many different models, but the ones that worked in the end were:
 - 3/4 layer Neural Network (tanh and sigmoid activations)
 - 2 layer Neural Network (relu and sigmoid)
 - Residual Neural Network (relu and sigmoid activations)
 - Ensemble of multiple models



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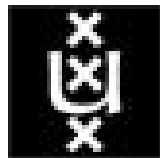
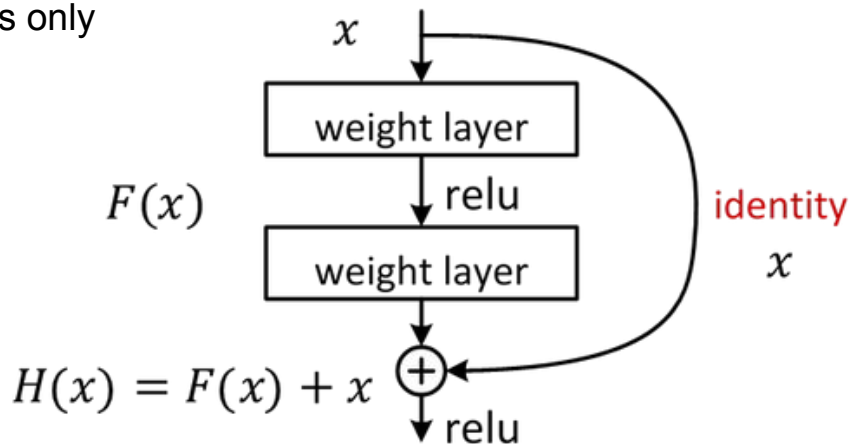
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Our Approach x2

- Hard Negatives Sampling
 - To cope with the unbalanced data
 - Sample from hard examples only
- Residual Blocks for FC layers



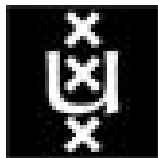


Thank you DSG Team!

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