Peer review

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- Goal
  - Malaria image classification
- Workflow
  - Data: from Kaggle; parasitized and uninfected
  - EDA: balanced
  - Data preprocess
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  - Model
    - CNN: baseline model
    - Vgg10(CNN with 19 layers deep)
    - Resnet 50(residual neural network)
- What was done well?
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- What do you learn from it?
  - New model algorithms

2. Chaeyeon Yim, Anna Jeffries, Angelica Gacis

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- Goal
  - Modeling the likelihood of death within the first 24 houes
  - The role of bias according to ethnicity and gender
  - Critique current methods used by hospitals
- Workflow
  - Data: WiDS 2020 dataset(kaggle)
  - EDA
  - Data preprocess
    - remove categorical and 'apache' feature
    - encode 'gender' and 'ethnicity'
    - for numeric data
      - impute NaN using SimpleImputer and mode
      - balanced using imbalance-learn
      - fill all NaN with 0
  - model
    - SVM
    - XGBoost(SMOTE to rebalance data)
    - Neural network(weighted vs unweighted)
- What was done well?

    - Beautiful plot during the EDA part
    - Balance imbalanced data
    - Hyperparameter tuning
    - Comparing the results of model with different dealing methods for numeric data
- What do you learn from it?
    - Preprocess is really important.
    - We could compare multiple preprocesses with their different results.