* **Logistic Regression**
  + Algorithm description: brief description of the workflow of each algorithm
  + Result evaluation and hyperparameter tuning: cross validation, and sufficient discussion on how your group conducts pre-/post- processing, parameter selection
  + Performance comparison and bias-variance analysis: explanation of the performance differences and how the performances vary with hyperparameter selection
* **Nearest Neighbor**
  + Algorithm description: brief description of the workflow of each algorithm
  + Result evaluation and hyperparameter tuning: cross validation, and sufficient discussion on how your group conducts pre-/post- processing, parameter selection
  + Performance comparison and bias-variance analysis: explanation of the performance differences and how the performances vary with hyperparameter selection
* **Decision Tree**
  + Algorithm description: brief description of the workflow of each algorithm
  + Result evaluation and hyperparameter tuning: cross validation, and sufficient discussion on how your group conducts pre-/post- processing, parameter selection
  + Performance comparison and bias-variance analysis: explanation of the performance differences and how the performances vary with hyperparameter selection
* **SVM**
  + Algorithm description: brief description of the workflow of each algorithm
  + Result evaluation and hyperparameter tuning: cross validation, and sufficient discussion on how your group conducts pre-/post- processing, parameter selection
  + Performance comparison and bias-variance analysis: explanation of the performance differences and how the performances vary with hyperparameter selection
* **Random Forest** 
  + Algorithm description: brief description of the workflow of each algorithm
  + Result evaluation and hyperparameter tuning: cross validation, and sufficient discussion on how your group conducts pre-/post- processing, parameter selection
  + Performance comparison and bias-variance analysis: explanation of the performance differences and how the performances vary with hyperparameter selection
* **Boosting**
  + Algorithm description: brief description of the workflow of each algorithm
  + Result evaluation and hyperparameter tuning: cross validation, and sufficient discussion on how your group conducts pre-/post- processing, parameter selection
  + Performance comparison and bias-variance analysis: explanation of the performance differences and how the performances vary with hyperparameter selection
* **Neural Networks on MNIST**
  + Algorithm description: brief description of the workflow of each algorithm
  + Result evaluation and hyperparameter tuning: cross validation, and sufficient discussion on how your group conducts pre-/post- processing, parameter selection
  + Performance comparison and bias-variance analysis: explanation of the performance differences and how the performances vary with hyperparameter selection