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# Conclusion

## Summary of Work

- ◆ Exploration of Influencing Factors in INVASE
  - Training time
  - hyperparameter sensitivity
  - Effect of baseline model
- ◆ Propose two policies
  - Early stopping policy
  - Post-training selection policy
- ▶ Synthetic dataset A
- ◆ Exploration of Potential Improvements to INVASE
  - Modify Input data structure
  - Replace baseline model with critic using unselected features
  - Revise loss function
- ▶ Synthetic dataset A
- ◆ New IFS method proposal and Analysis
  - Propose D-ACES
  - Compare with state-of-the-art IFS methods
  - Apply to high-dimensional data (syn B)
  - Apply to text data (IMDB)
  - Analyze limitations