Experiment Analysis Report

1. Accuracy Comparison

Accuracy comparison of models based on prediction correctness.

```
model_name,0

Base Model,0.7

Ensemble Model,0.6576923076923077

MC-Dropout,0.7581967213114754
```
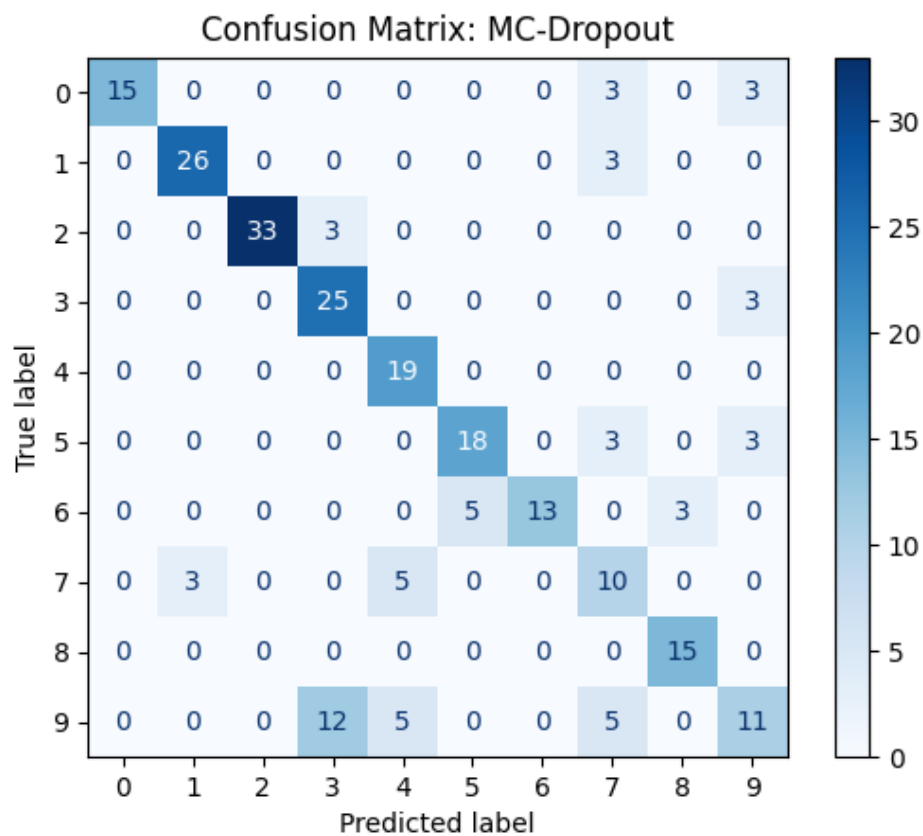
2. Confusion Matrices

Confusion matrices show prediction accuracy and misclassifications.
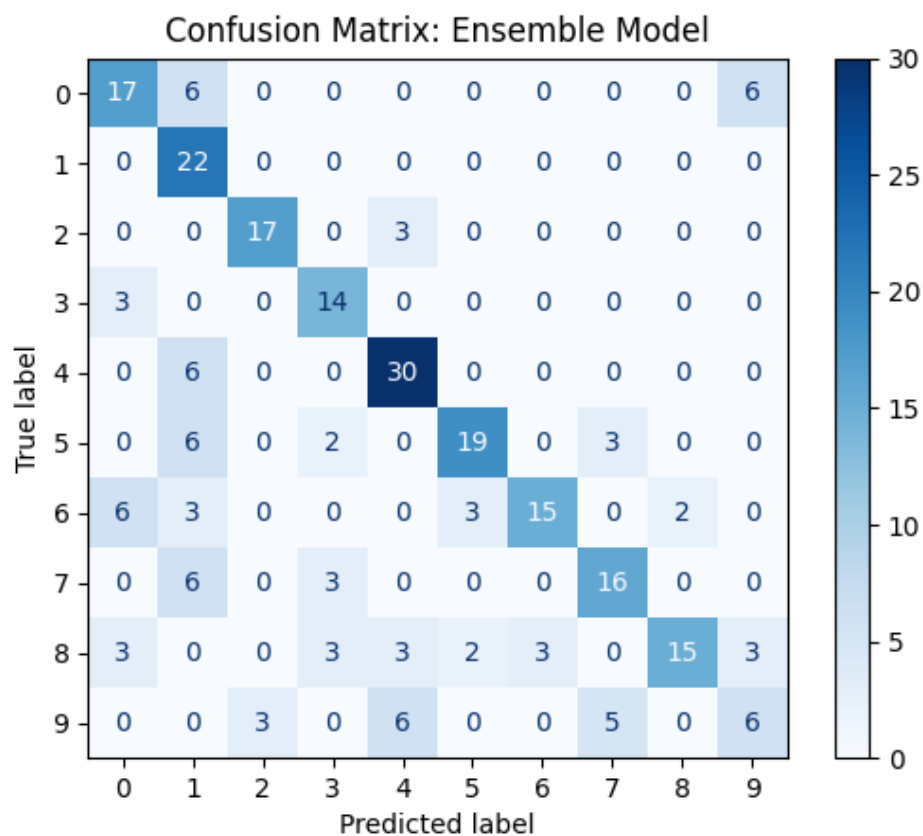
Confusion Matrix: Base Model

Confusion Matrix: Base Model
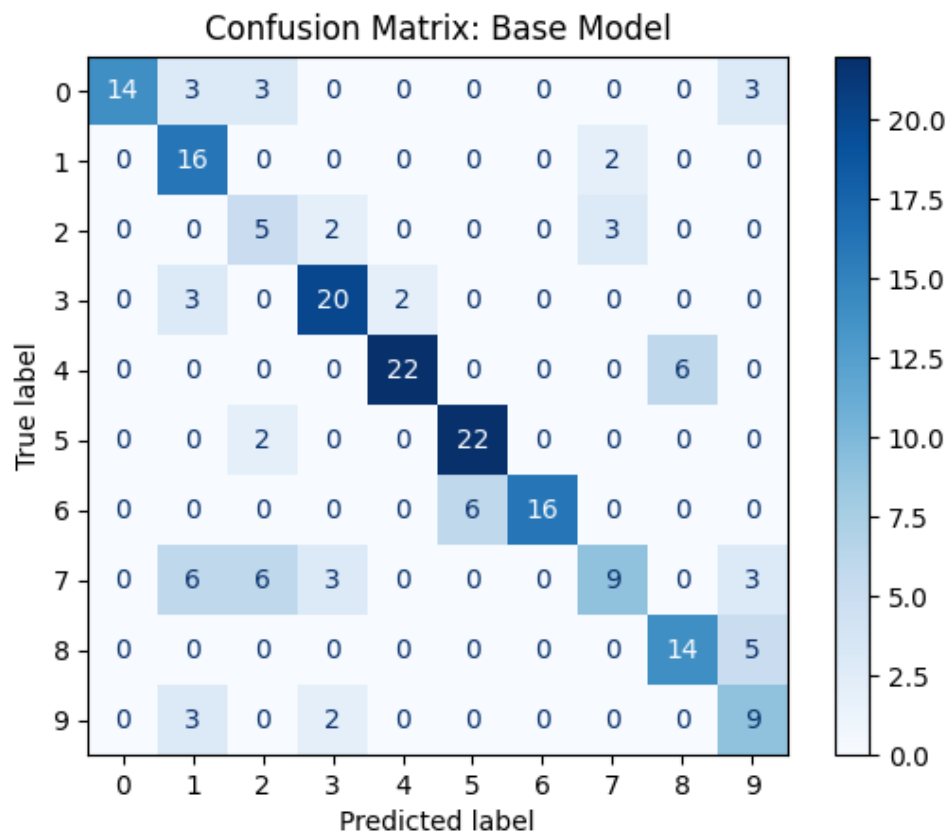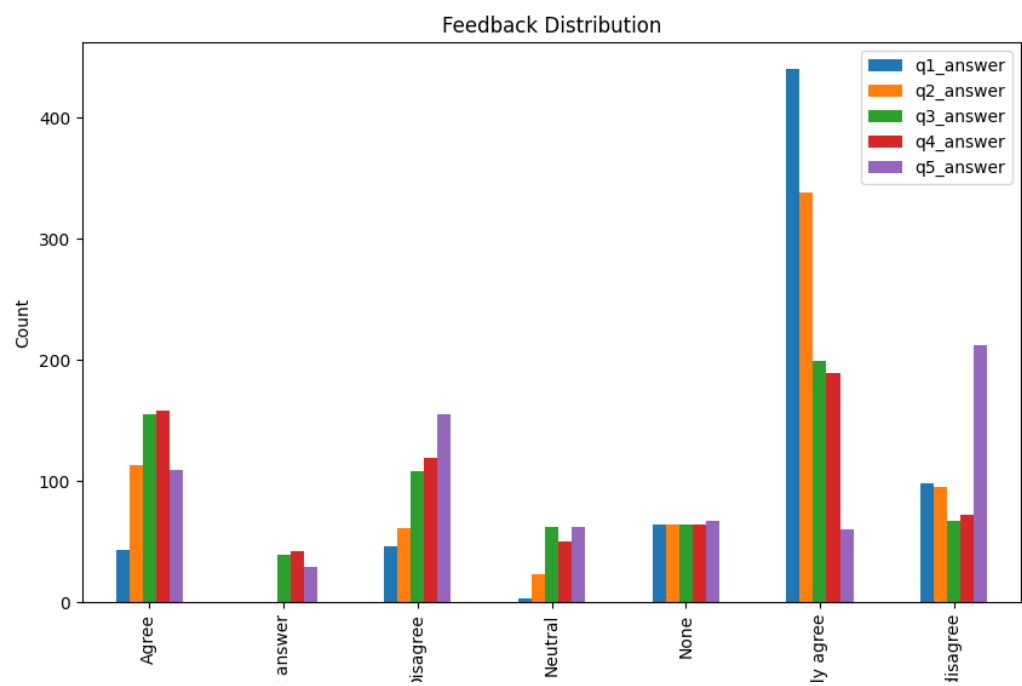
Confusion Matrix: MC-Dropout

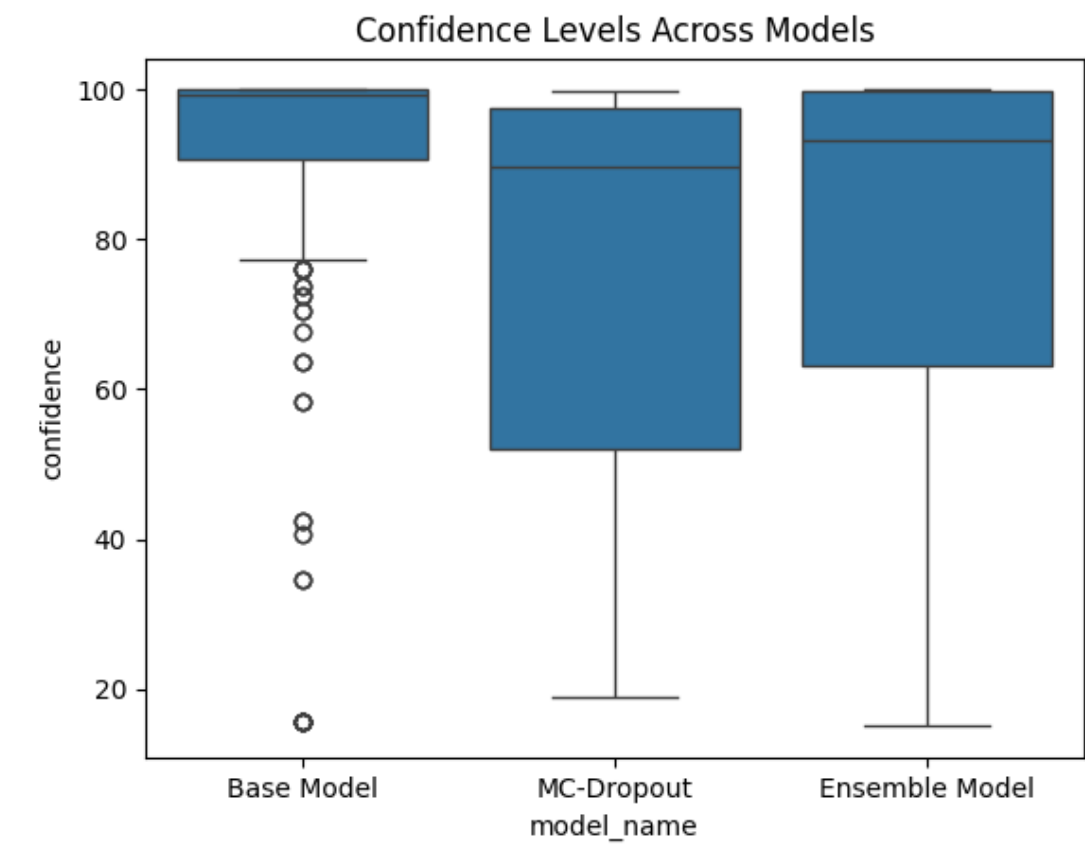Confusion Matrix: Ensemble Model

3. Feedback Distribution

Feedback ratings across models.

Feedback Distribution

4. Confidence Analysis

Analysis of confidence levels with ANOVA and pairwise comparisons.

Confidence Levels Across Models

ANOVA F-statistic: 14.17, P-value: 0.000

Pairwise Comparisons:
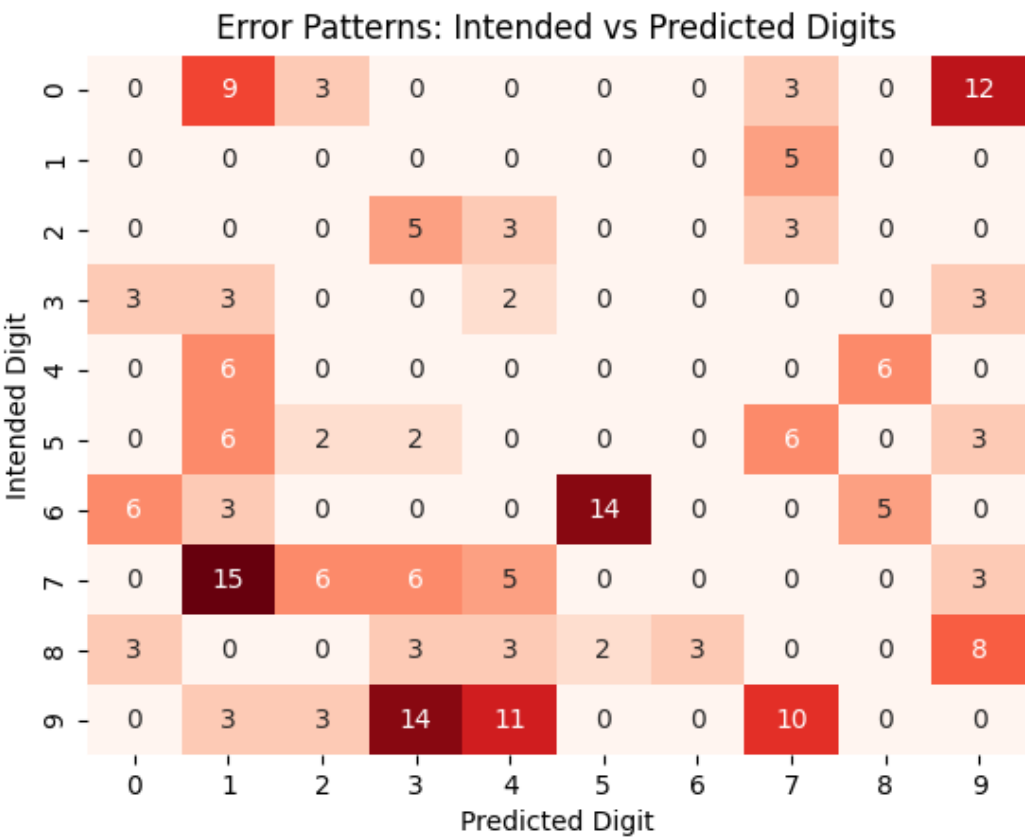
Model Pair,Corrected P-Value

"('Base Model', 'MC-Dropout')",4.042466966495003e-07

"('Base Model', 'Ensemble Model')",0.00018487662474242397

"('MC-Dropout', 'Ensemble Model')",0.7491536172271419

5. Error Patterns

Heatmap of common errors in predictions.

6. Subject-wise Prediction Accuracy

Variability in accuracy across participants.

Subject-wise Prediction Accuracy