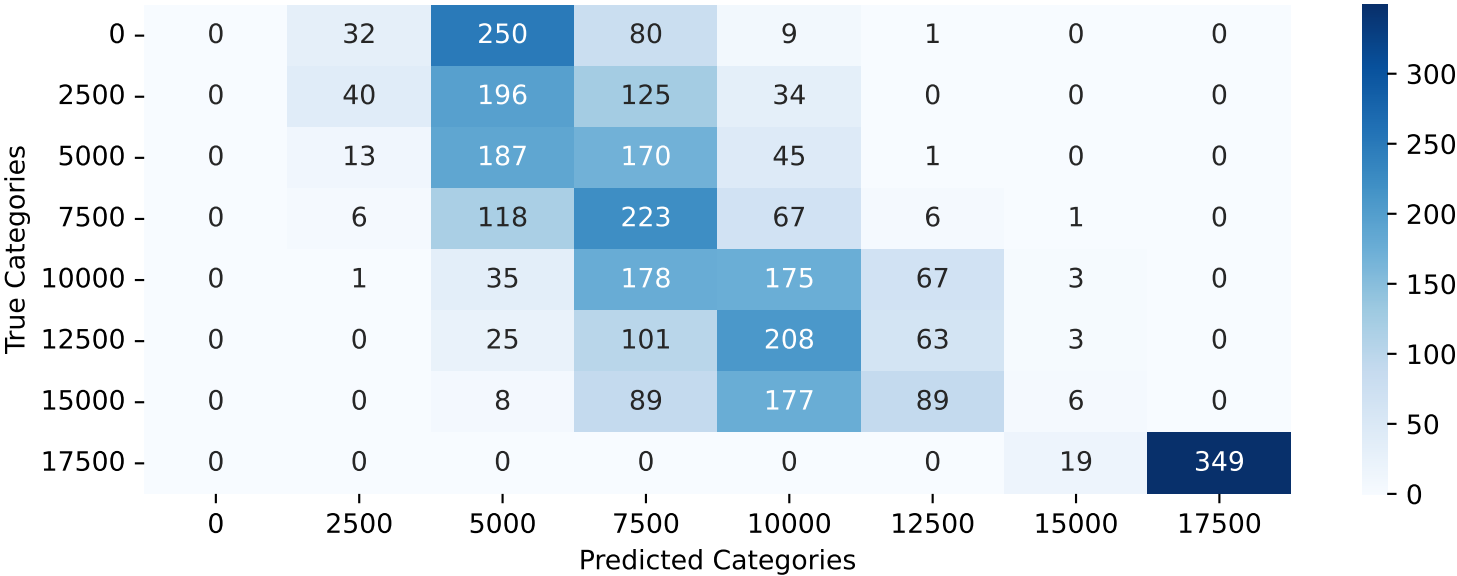# Model MP1 Evaluation Results

EVALUATION METRICS:

Mean Squared Error (MSE): 12269996.88
sqrt(MSE): 3502.86
Mean Absolute Error (MAE): 2726.85
Categorical Accuracy: 0.3259 (32.59%)
To calculate the accuracy, the predictions were
assigned to the closest categories ([0, 2500, 5000...]).

## Confusion Matrix

| True Categories \ Predicted Categories | 0 | 2500 | 5000 | 7500 | 10000 | 12500 | 15000 | 17500 |
|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 32 | 250 | 80 | 9 | 1 | 0 | 0 |
| 2500 | 0 | 40 | 196 | 125 | 34 | 0 | 0 | 0 |
| 5000 | 0 | 13 | 187 | 170 | 45 | 1 | 0 | 0 |
| 7500 | 0 | 6 | 118 | 223 | 67 | 6 | 1 | 0 |
| 10000 | 0 | 1 | 35 | 178 | 175 | 67 | 3 | 0 |
| 12500 | 0 | 0 | 25 | 101 | 208 | 63 | 3 | 0 |
| 15000 | 0 | 0 | 8 | 89 | 177 | 89 | 6 | 0 |
| 17500 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 349 |

## Distribution of Predictions by True Category