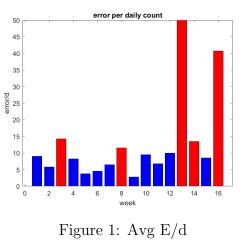
## Deterministic Model for Predicting the Expected Number of Students in the San Diego City College Math Center Supplemental Report

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December 3, 2024

## 1 Plots for original model



Week 1 model vs data

Mon (model)
Mon (data)
Tue (model)
Wed (model)
Wed (data)
Thu (model)
Thu (model)
Thu (data)

Figure 3: Week 1 Count

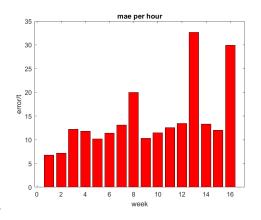


Figure 2: Avg E/t

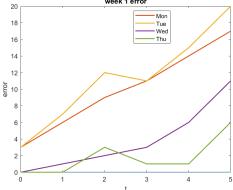


Figure 4: Week 1 Error

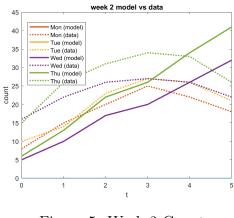


Figure 5: Week 2 Count

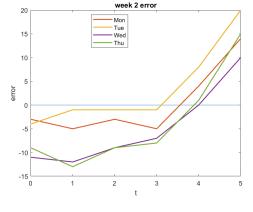


Figure 6: Week 2 Error

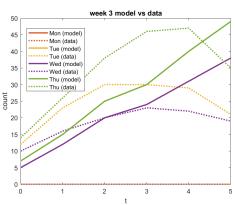


Figure 7: Week 3 Count

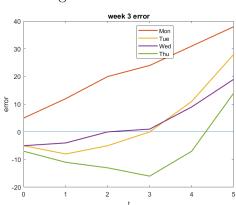


Figure 8: Week 3 Error

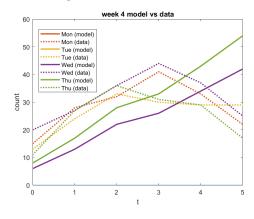


Figure 9: Week 4 Count

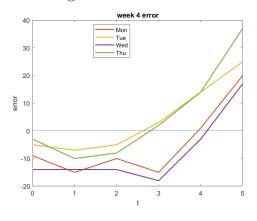


Figure 10: Week 4 Error

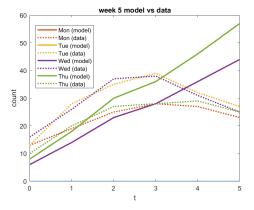


Figure 11: Week 5 Count

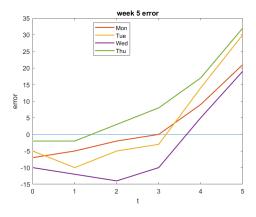


Figure 12: Week 5 Error

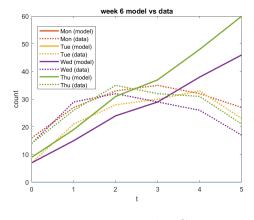


Figure 13: Week 6 Count

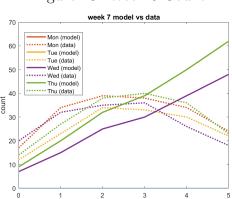


Figure 15: Week 7 Count

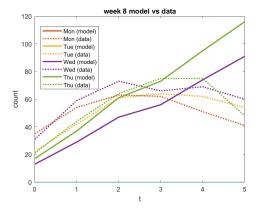


Figure 17: Week 8 Count

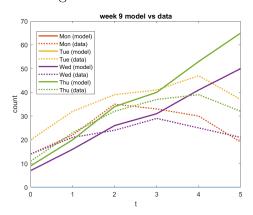


Figure 19: Week 9 Count

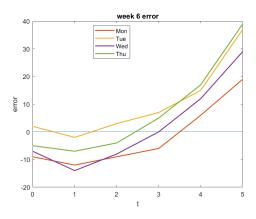


Figure 14: Week 6 Error

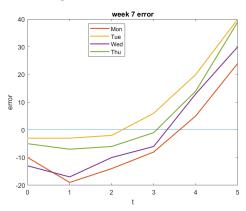


Figure 16: Week 7 Error

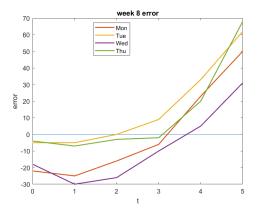


Figure 18: Week 8 Error

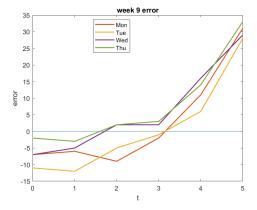


Figure 20: Week 9 Error

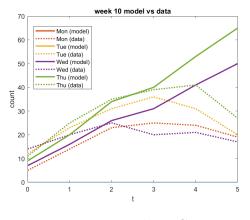
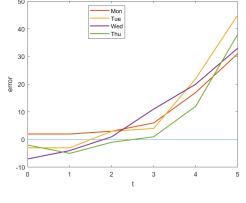


Figure 21: Week 10 Count



week 10 error

Figure 22: Week 10 Error

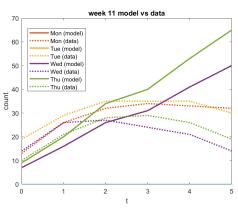


Figure 23: Week 11 Count

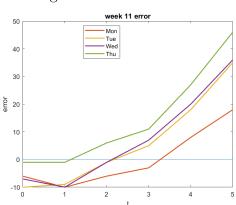


Figure 24: Week 11 Error

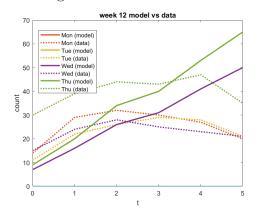


Figure 25: Week 12 Count

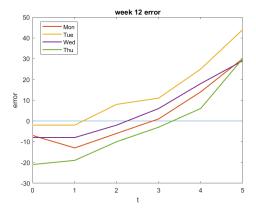


Figure 26: Week 12 Error

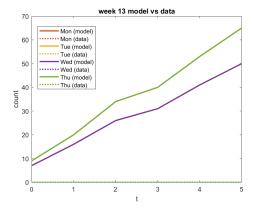


Figure 27: Week 13 Count

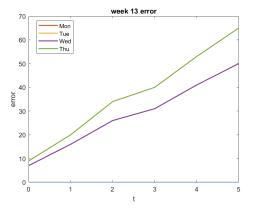
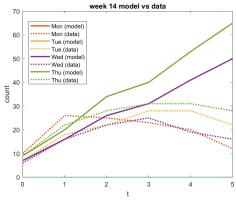


Figure 28: Week 13 Error



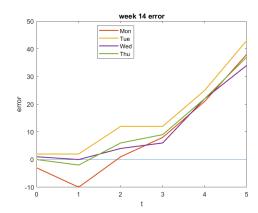


Figure 30: Week 14 Error

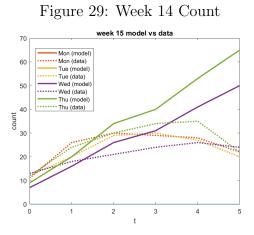


Figure 31: Week 15 Count

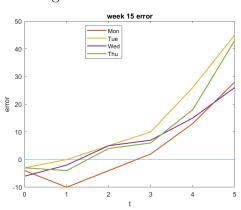


Figure 32: Week 15 Error

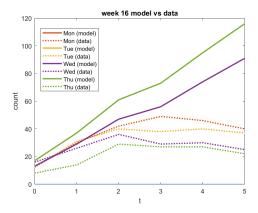


Figure 33: Week 16 Count

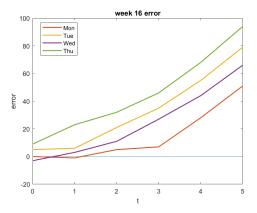
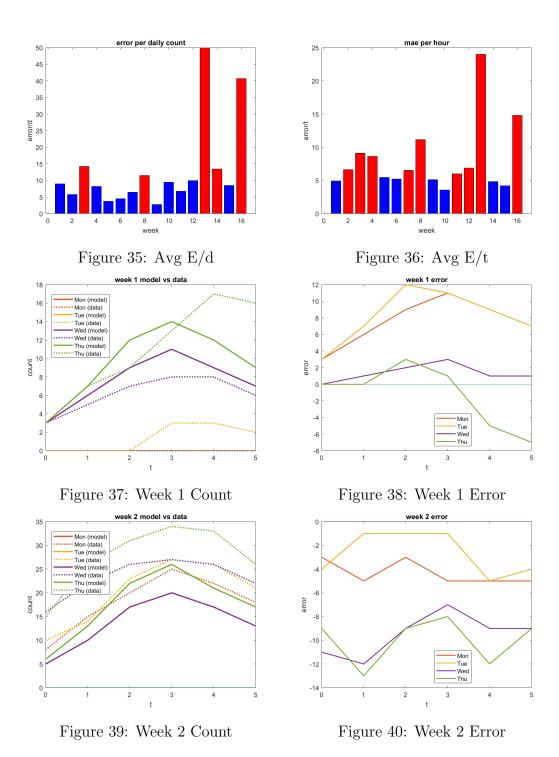


Figure 34: Week 16 Error

## 2 Plots for modified model



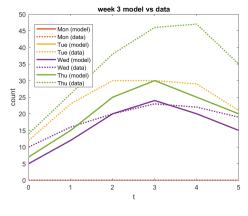


Figure 41: Week 3 Count

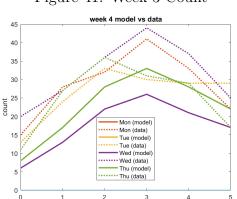


Figure 43: Week 4 Count

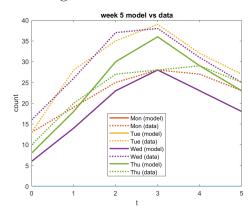


Figure 45: Week 5 Count

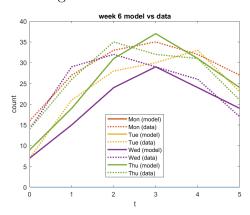


Figure 47: Week 6 Count

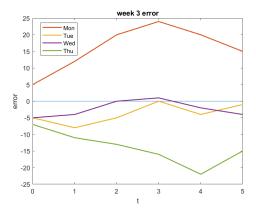


Figure 42: Week 3 Error

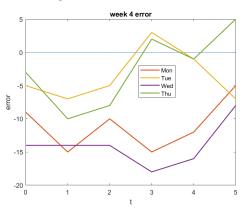


Figure 44: Week 4 Error

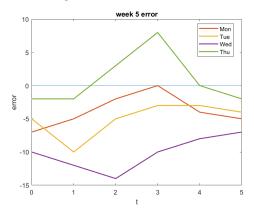


Figure 46: Week 5 Error

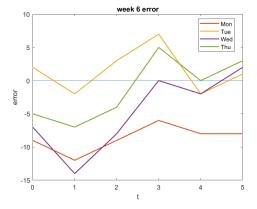


Figure 48: Week 6 Error

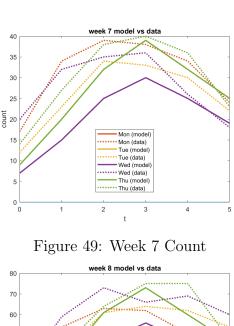
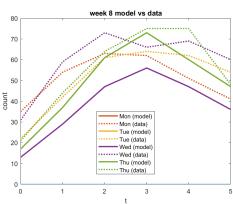


Figure 50: Week 7 Error



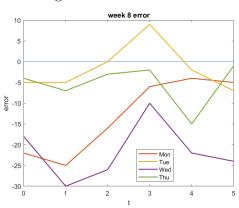
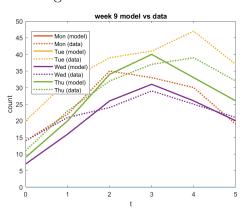


Figure 51: Week 8 Count

Figure 52: Week 8 Error



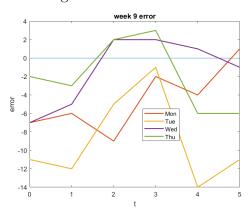
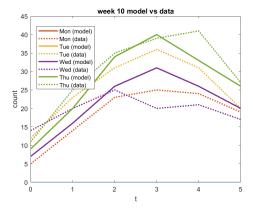


Figure 53: Week 9 Count

Figure 54: Week 9 Error



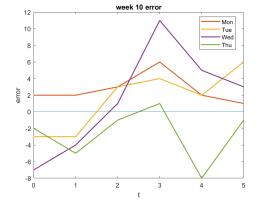
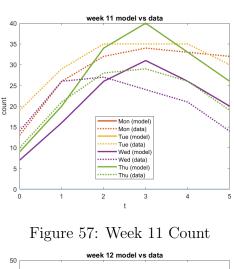


Figure 55: Week 10 Count

Figure 56: Week 10 Error



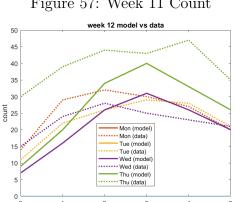


Figure 59: Week 12 Count

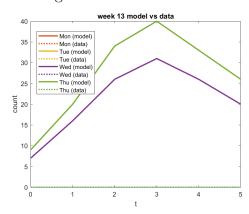


Figure 61: Week 13 Count

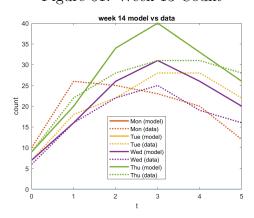


Figure 63: Week 14 Count

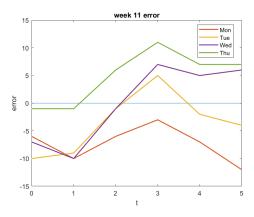


Figure 58: Week 11 Error

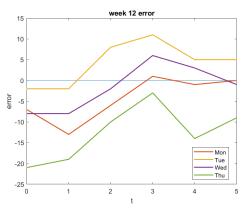


Figure 60: Week 12 Error

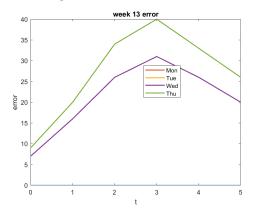


Figure 62: Week 13 Error

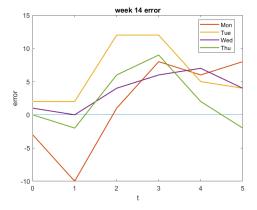
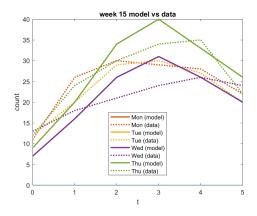


Figure 64: Week 14 Error

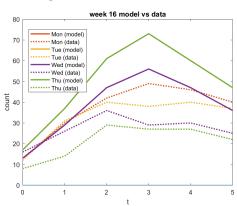


Week 15 error

8
6
4
2
-4
-6
-8
-10
0
1
2
3
4
5

Figure 65: Week 15 Count

Figure 66: Week 15 Error



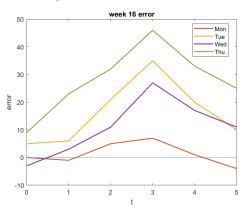


Figure 67: Week 16 Count

Figure 68: Week 16 Error