Anki DB Extract and Analysis

James Diao

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Compute summary statistics

- Average news/day: 57.2 (includes cards that were deleted later)
- Average reviews/day: 195
- Average errors/review: 7.3%
- Average interval multiplier: 2.44x
- Studied cards: 4346
- Total cards: 23625
- Estimated days to completion: 338
- Estimated completion date: 2020-03-11
- Suggested new interval (explanation below): 3.38

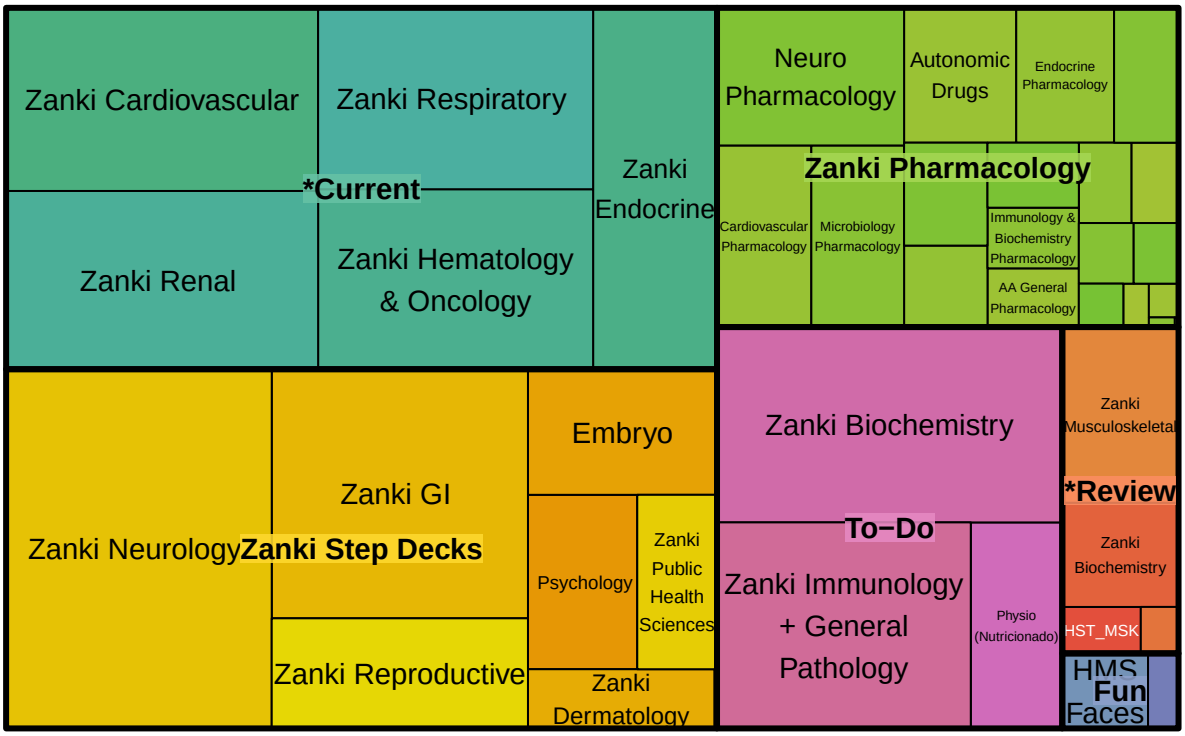
Anki suggests targeting a 10% error rate (90% retention) using the following equation:

$$\text{Optimal interval} = (\text{Current interval}) \left(\frac{\log(\text{desired retention \%})}{\log(\text{current retention \%})} \right)$$

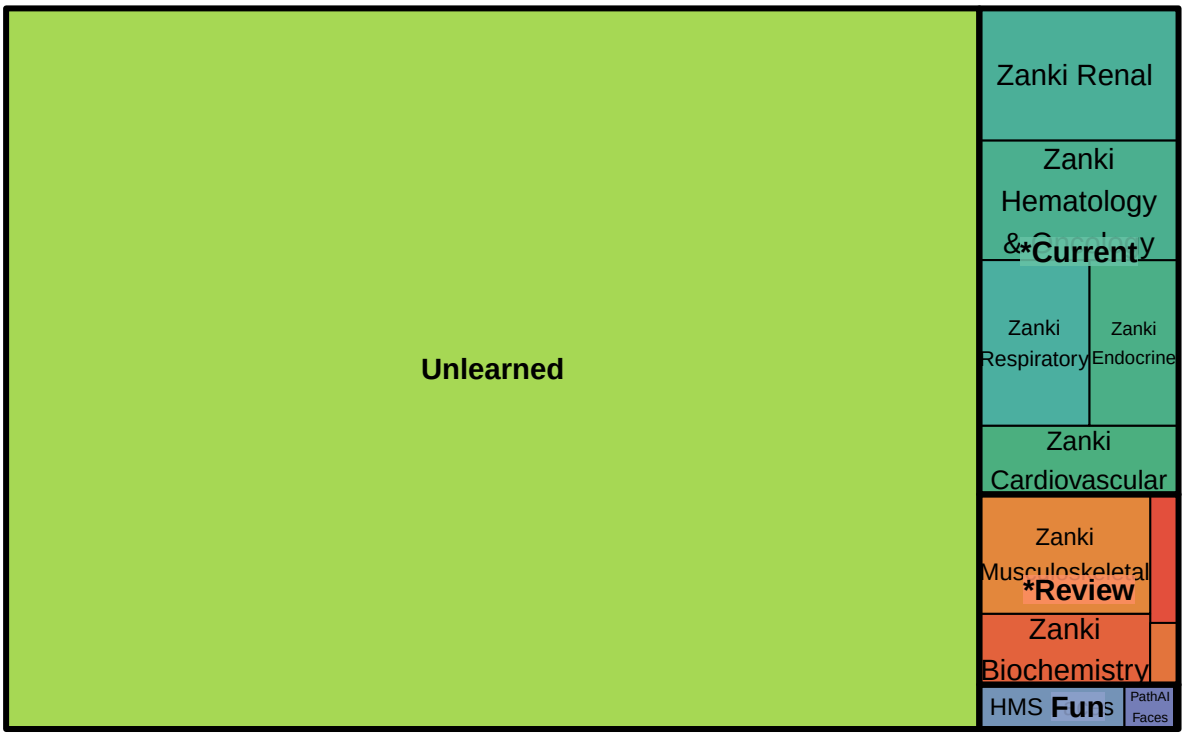
Using the values from above, we get:

$$\text{Optimal interval} = (2.44) \left(\frac{\log(0.900)}{\log(0.927)} \right) = 3.38$$

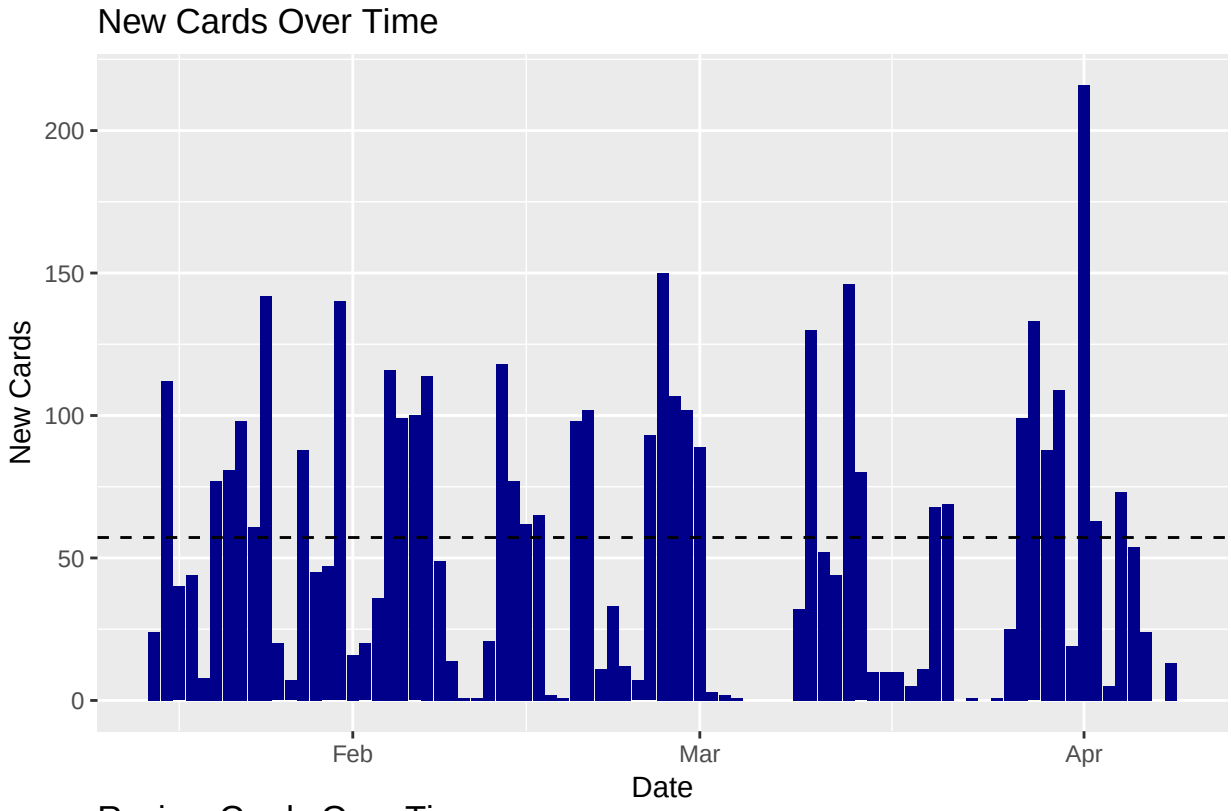
Card Distribution by CATEGORY

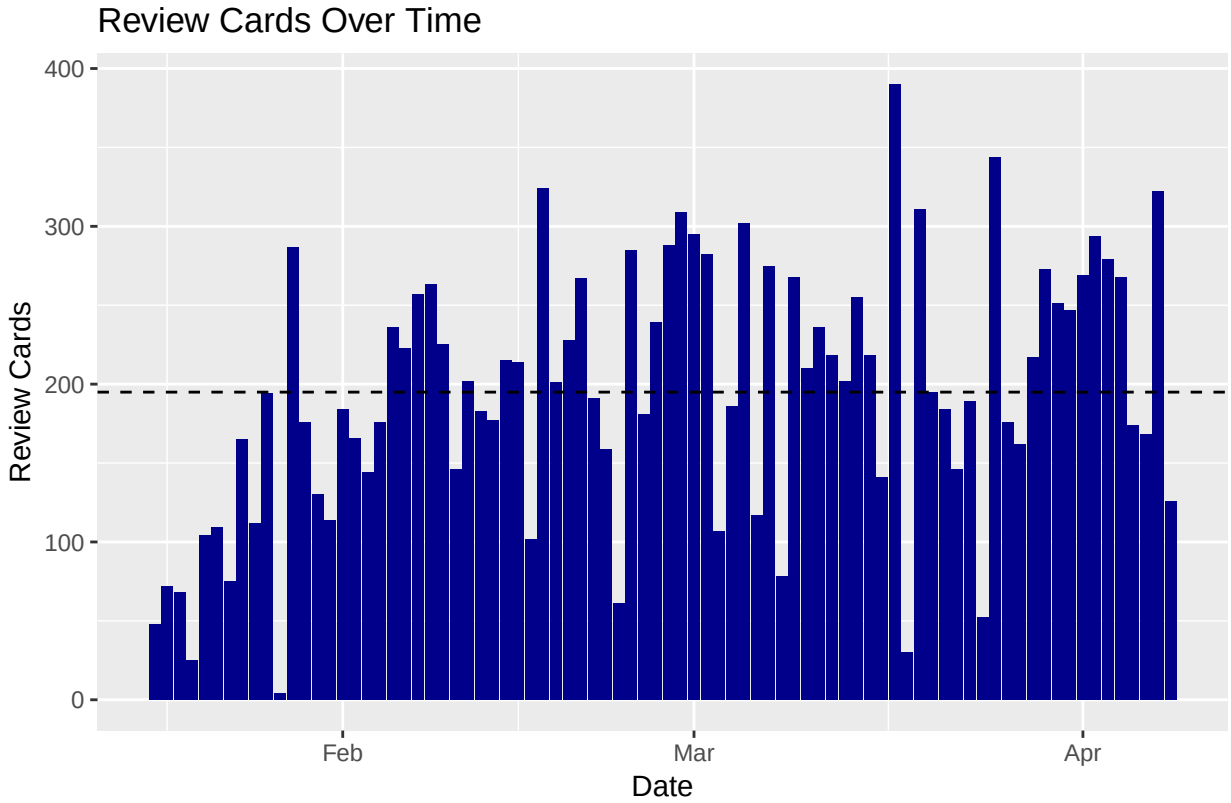


Card Distribution by LEARNED/UNLEARNED

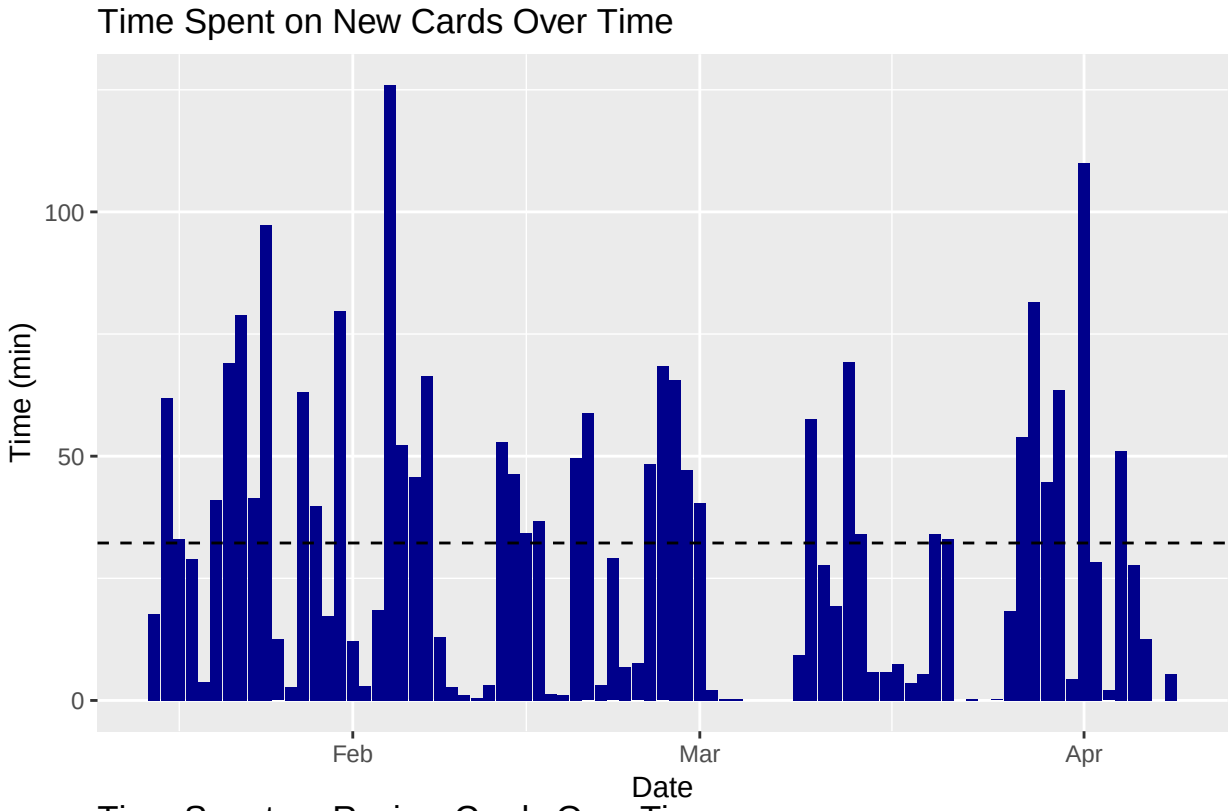


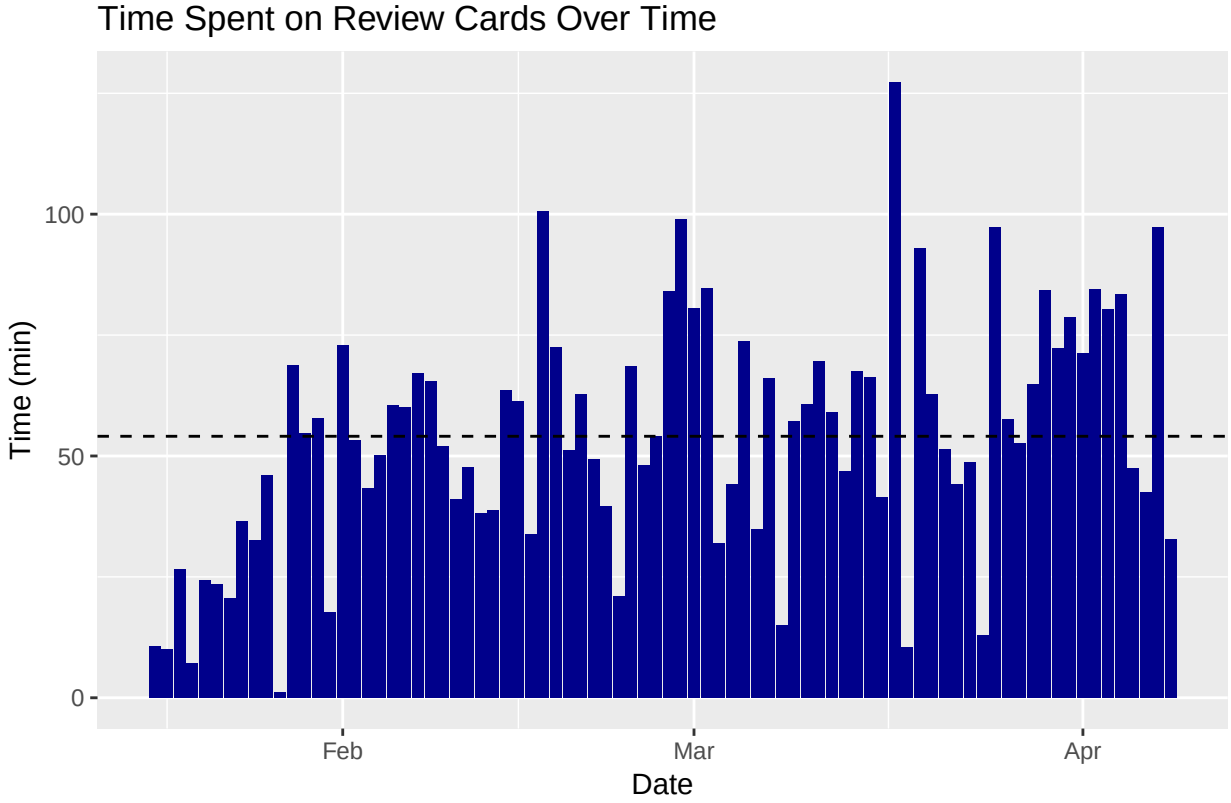
Reviews counts





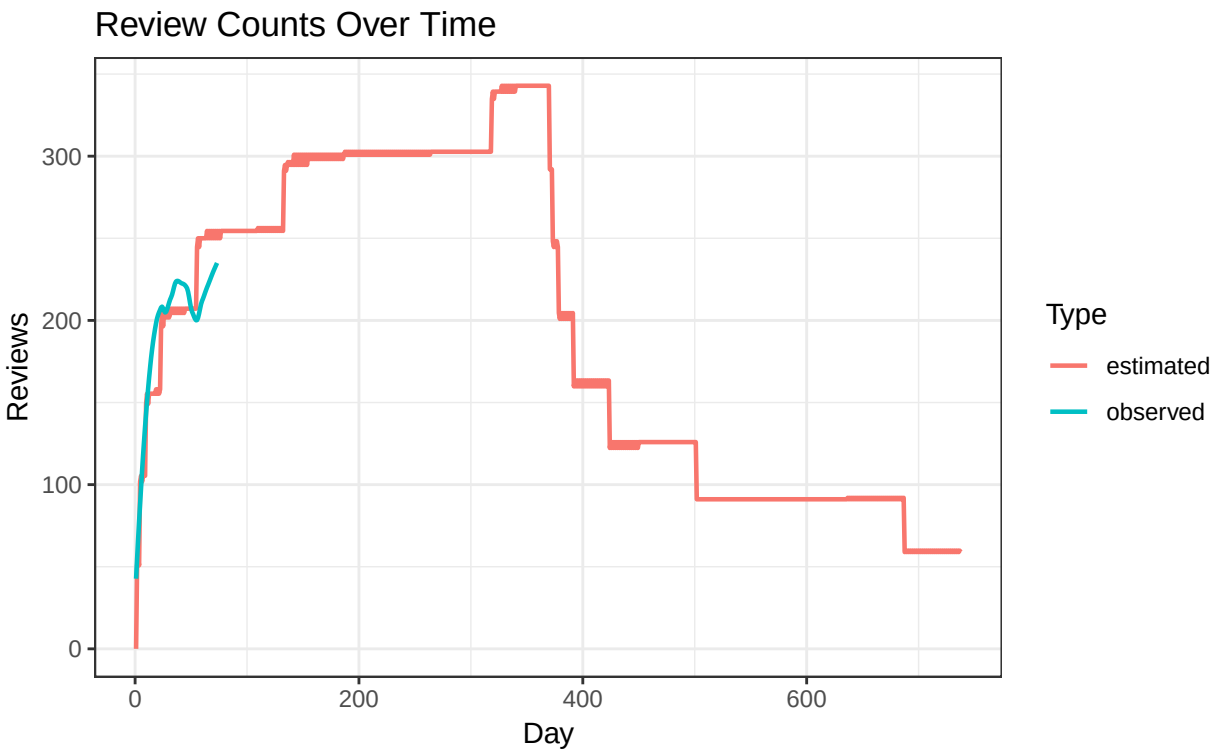
Time Commitment



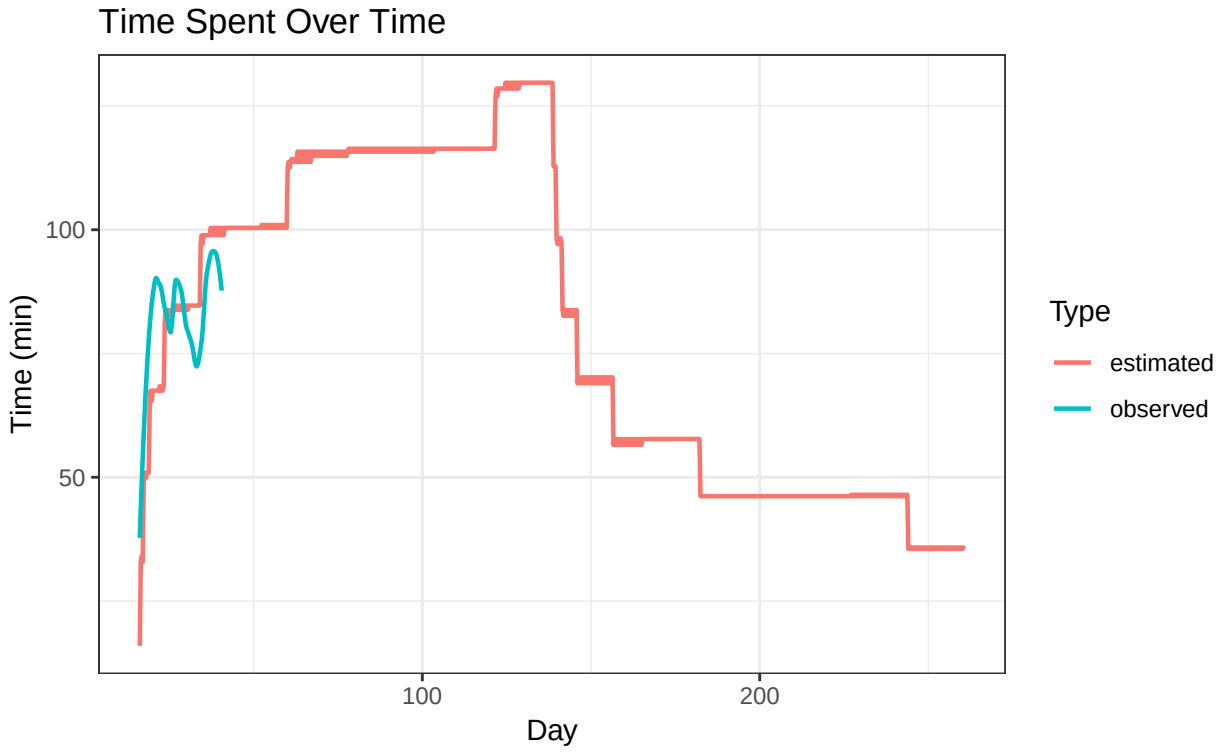


Simulation Forecasting

Model generated for empirical values: New cards/day = 57.2, total cards = 23625, error rate = 0.073



Observed counts smoothed using span=0.5; model estimates scaled by 0.89x.



Observed counts smoothed using span=0.5; model estimates scaled by 1.08x.