Solutions

2.1

- Forecasts 300, 330, 320, 360, 350; errors 30, -10, 40, -10, 40.
- $MAD = 130/5 = 26.0$.

2.2

- 316.7, 336.7, 343.3 against 360, 350, 390.
- Errors 43.3, 13.3, 46.7; $MAD = 103.3/3 = 34.4$.

2.3

- 300, 315, 317.5, 338.75, 344.4; week 7: 367.2.
- Errors 30, 5, 42.5, 11.25, 45.6; $MAD = 26.9$.

2.4

- $\hat{y} = 286.7 + 15.71x$; week 7 = 396.7.
- The series trends about 16 a week; the average (34.4) and smoothing (26.9) lag it - quote the trend, with the naive MAD 26 as the band.

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