Performance Evaluation Homework 5

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Validation - Input

I wrote a simple validator to find days whose data is nonexist. However, there are only three days which are provided by you in the email. I have filled them from previous week with corresponding day. Moreover, I added the latest days data from *http://mathe.epfl.ch*. However, last day(3 May) wasn't completed and its value is very small compared neighbor days so I have used data from previous week not mess up forecast.

Difference

Afterwards, I have adapted spring diff script on the website. I have used lag 1 and 8 to forecast. Basically, traffic depends on the regime from previous day and previous week in our assumption.

Forecast

Day	Prediction	Upper Bound	Lower Bound
2012/05/04	3.8522e+10	6.1103e+11	3.8522e+09
2012/05/05	2.1046e+12	2.9009e+12	1.3084e+12
2012/05/06	1.7126e+12	2.6321e+12	7.9317e+11
2012/05/07	2.1453e+12	3.1733e+12	1.1173e+12
2012/05/08	1.6810e+12	2.8072e+12	5.5490e+11
2012/05/09	2.3626e+12	3.5789e+12	1.1462e+12
2012/05/10	1.9512e+12	3.2515e+12	6.5082e+11

Table 1: Forecast

Reference

- All code is here: http://goo.gl/5uZda