SDM Title

Jerry*   Zitao Liu*

Abstract

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

1 Introduction

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. [1].

Algorithm 1 Caption.

INPUT:
- Some input

PROCEDURE:
1: // Comment
2: **repeat**
3:     Update
4:     **for** m: $1 \to$ N **do**
5:         Update.
6:         **for** t: $2 \to T_m - 1$ **do**
7:             Update.
8:         **end for**
9:         Update.
10:     **end for**
11: **until** Convergence
12: // Optimize
13: Compute.

OUTPUT:
- Some output.

THEOREM 1.1. *Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut*

labore et dolore magna aliqua. *Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.*

Proof. The proof of this theorem appears in the supplemental material.

Figure 1: Predictions for flour price series in Buffalo.

Table 1: Average-MAPE results on *clinical* dataset.

# of states	10	15	20	25	30
Spectral	6.29	6.24	6.32	6.04	6.00
EM	3.97	3.54	3.54	3.53	3.53
gLDS-ridge	3.22	3.21	3.21	3.21	3.21
gLDS-smooth	**3.21**	**3.20**	**3.20**	**3.19**	**3.19**

References

[1] ZITAO LIU AND MILOS HAUSKRECHT, *A regularized linear dynamical system framework for multivariate time series analysis*, in The 29th AAAI Conference on Artificial Intelligence, 2015.

---

*Pinterest, San Francisco CA USA. Email: abc@gmail.com