Motherland Ties
among Chinese Statisticians

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March 27, 2017 (Monday)

A Digression: Drug Sensitivity

#	Δ1d	Team Name	Score ❔	Entries	Last Submission UTC (Best – Last Submission)
1	—	3654	0.11088	7	Mon, 13 Mar 2017 01:30:14 (-3.5d)
2	—	star	0.11155	2	Thu, 09 Mar 2017 11:21:22 (-2.8h)
3	↑4	aaolct	0.14969	6	Mon, 13 Mar 2017 03:36:12 (-10.4h)
4	—	deepsegfault	0.15181	4	Mon, 13 Mar 2017 08:33:28
5	new	tonyllau	0.15705	3	Mon, 13 Mar 2017 04:33:03
6	—	tcloaa	0.15827	7	Mon, 13 Mar 2017 04:37:48 (-15.9h)
7	↓2	segfaultdong	0.19334	4	Mon, 13 Mar 2017 06:04:11 (-0.1h)
8	↓5	404akhan	0.20063	4	Sat, 11 Mar 2017 10:22:40 (-18.5h)
9	↓1	Guangju Wang	0.27282	4	Mon, 13 Mar 2017 05:54:03 (-0.5h)
10	↓1	xliubb	0.67829	2	Sat, 11 Mar 2017 04:37:39 (-0.5h)
11	↓1	jxiaab	0.74720	1	Fri, 10 Mar 2017 06:05:53

Figure: LASSO, taking tissue type into consideration (Package glmnet)

The story

Figure: Fisman, R., Shi, J., Wang, Y., & Xu, R. (2017). Social Ties and Favoritism in Chinese Science. NBER Working Paper Series.

Technically

Figure: Can we predict the probability of Peter Hall's collaborations with other COPSS award winners?
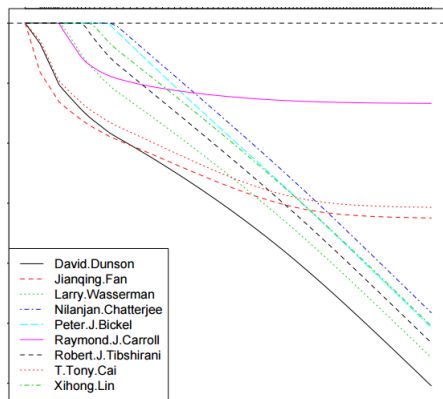
Technically

Figure: J. Xiong, F. Ruan, and Y. Yao. A Tutorial on Libra: R package for the Linearized Bregman Algorithm in High Dimensional Statistics. arXiv:1604.05910, 2016.

P. Ji and J. Jin. Coauthorship and citation networks for statisticians. arXiv:1410.2840, 2014.

- Five Chinese COPSS award laureates: Jeff Wu, 1987, Jianqing Fan, 2000, Tony Cai, 2008, Tze Leung Lai, 1983, and Wing Hung Wong, 1993
- Journal: Annals of Statistics

Biased estimator techniques: LB and LASSO
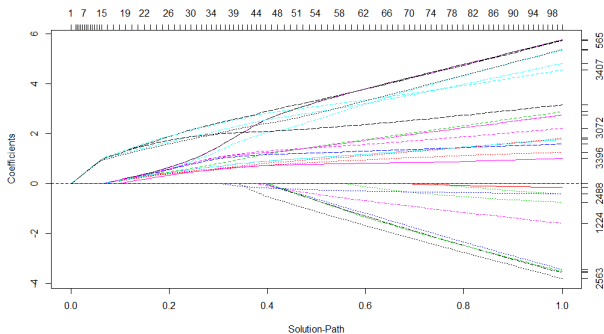
Results: Taking Fan for Example
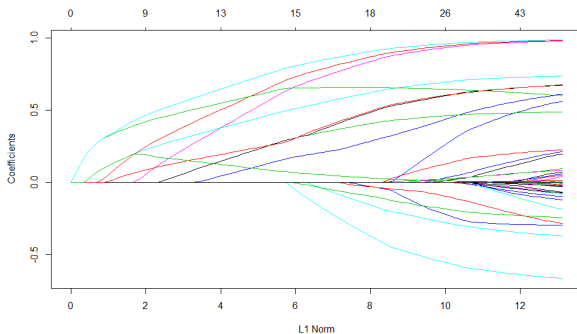

Figure: Solution Path by LB for Jianqing Fan

Figure: Solution Path by LASSO for Jianqing Fan

Jianqing Fan: **Y. Zhou**, Y. Fan, Y. Feng, Y. Sun, W. Zhang, T. Yu, and R. Song, etc.

- Cai, J., Fan, J, Zhou, H. and Zhou, Y. (2007) *Marginal hazard models with varying coefficients for multivariate failure time data.* The Annals of Statistics, 35, 324-354.

- Fan, J., Lin, H. and Zhou, Y. (2006) *Local partial likelihood estimation for life time data.* The Annals of Statistics, 34, 290-325.
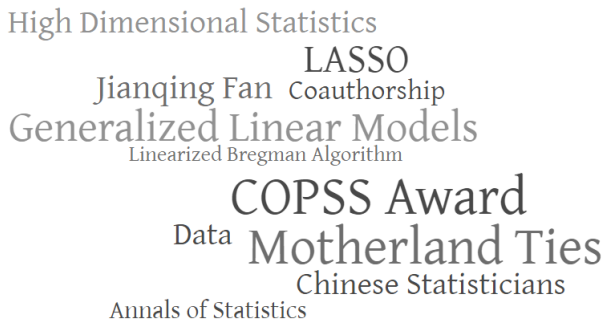
Figure: Almost all of the Chinese COPSS award winners have strong preferences on Chinese nationality when choosing their collaborators.

Thanks

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