

USING PYTHON FOR DATA SCIENCE COMPETITIONS

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ChrisCC

A HUGE WAVE OF MESSY DATA IS APPROACHING



Verified account



Profile Results Scripts Forum Account Activity

Edit Profile







25th/2236



235th/985

WHY?

KAGGLE - MAKING DATA SCIENCE A SPORT

- ▶ Kaggle是目前世界上最有影响力的数据建模和数据分析竞赛平台
- 企业及研究机构:发表亟待解决的问题并提供数据
- 统计学者/数据挖掘专家:参与竞赛以产生最佳模型
- ► 合作伙伴: FACEBOOK, NASA, AMAZON, WALMART, WIKIPEDIA, CAPITALONE.....
- 以及,来自全球范围的40万数据科学家



LEARN FROM THE BEST

- ▶ 绝顶高手
- ▶ 论坛
- Scripts

WORK WITH COOL DATASETS



Heritage Health Prize: 预测哪些患者会在未来一年内住院治疗。



GE Flight Quest: 设计一种可规模化的算法,用于生成实时的飞行路线信息以帮助飞行员更有效安全的完成飞行。



Springleaf Marketing Response: 预测客户对邮件营销的响应程度。



Facebook Recruiting VI: 甑别出拍卖网站参与者中的机器人。



West Nile Virus Prediction: 预测在何时、何地,当地蚊子会被检测出携带有西尼罗河病毒。



Allen Al Science Challenge: 你的算法会比8岁的小学生更聪明吗?

当然少不了奖金.....

T	Deloitte.	Western Australia Rental Prices Predict rental prices for properties across Western Australia	6.7 days 59 teams \$100,000
	A12	The Allen Al Science Challenge Is your model smarter than an 8th grader?	2 months 382 teams \$80,000
	1	The Winton Stock Market Challenge Join a multi-disciplinary team of research scientists	2 months 499 teams \$50,000
		Rossmann Store Sales Forecast sales using store, promotion, and competitor data	20 days 2844 teams 1804 scripts \$35,000
		Prudential Life Insurance Assessment Can you make buying life insurance easier?	2 months 61 teams 32 scripts \$30,000

以及,工作机会

Deloitte.	★ Manager - Cognitive Technologies - Advanced Analytics Enablement Deloitte Consulting · National posted 10 days ago	1,082 views
AssetMetrix	★ Quantitative Developer AssetMetrix · Munich, Germany posted 10 days ago	638 views
Gartner	★ Managing VP - Head of Data Science Gartner · Stamford, CT posted 20 days ago	936 views
15T Merchant FUNDING	★ Data Scientist 1st Merchant Funding · Miami posted 21 days ago	1,239 views
PADDYPOWER.	★ Director of Sports Modelling Paddy Power Plc · Dublin, Ireland Posted 21 days ago	788 views

你的刀够快吗?









XGBOOST, VOWPAL WABBIT, PANDAS, SCIKIT-LEARN, THEANO

级排子

来自各大公司以及研究机构





















不管是大数据,还是小数据



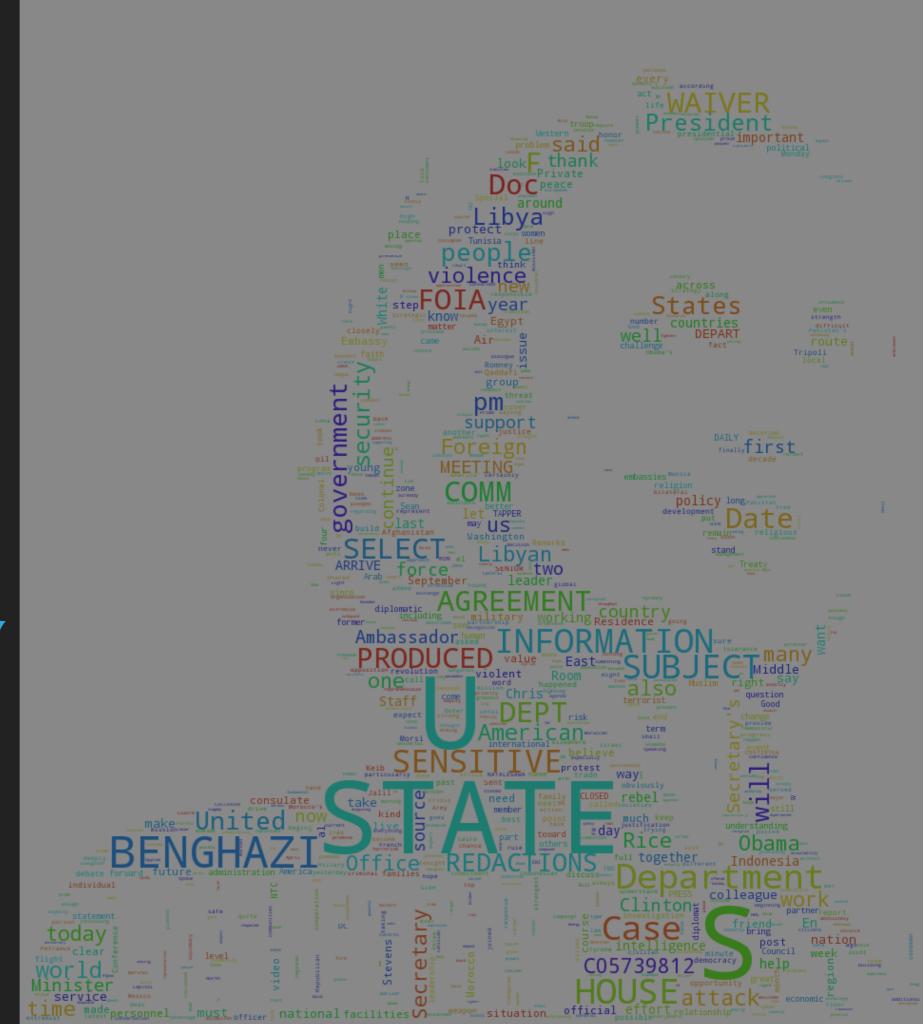
ZIP ~ 6GB



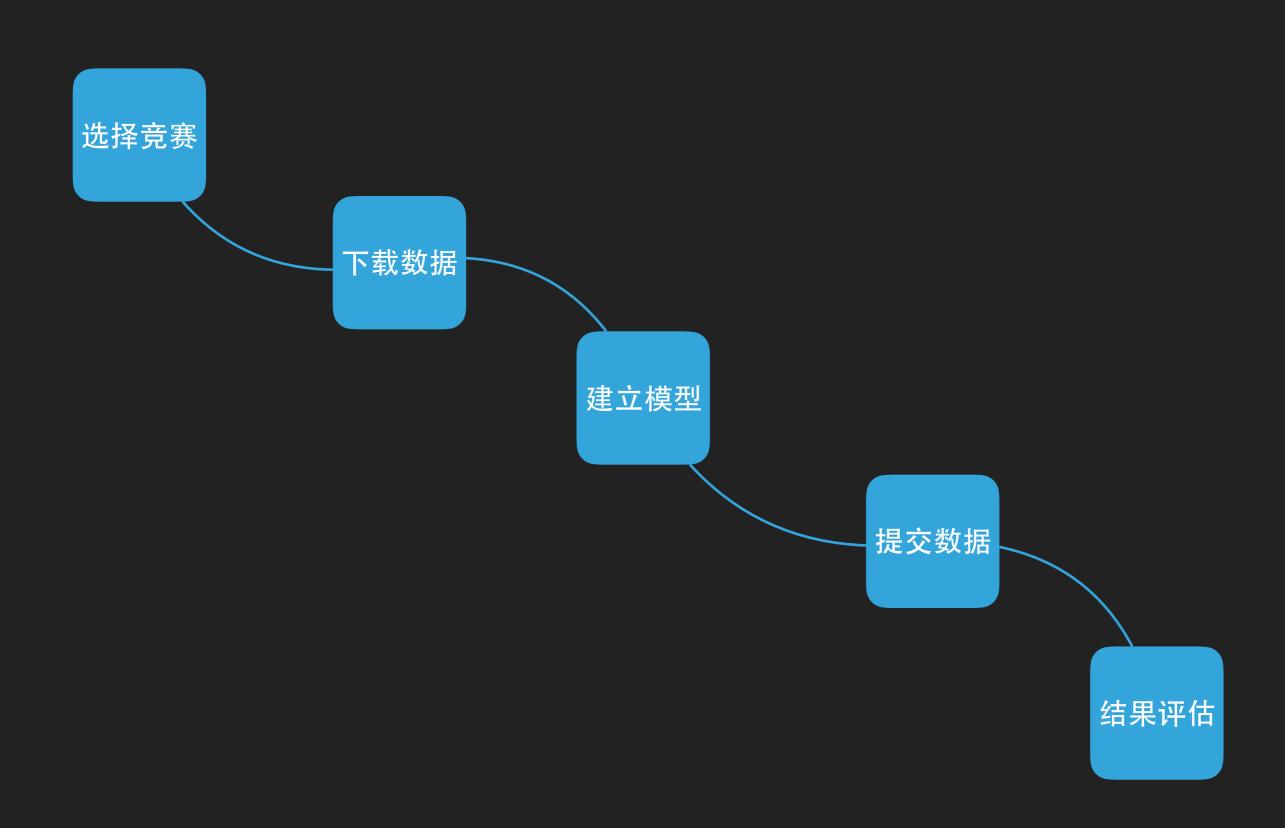
ZIP ~ 1MB

都是人民群众喜闻乐见的

- Customer Data
- Log Files
- Timeseries
- Web Pages
- Images
- Reddit Comments



如何参与?



- Kaggle Forum
- Kaggle Blog
 - http://blog.kaggle.com
- Kaggle Competition: Where and how to begin
 - http://www.analyticsvidhya.com/blog/2015/06/start-journey-kaggle/
- Feature Engineering
 - http://machinelearningmastery.com/discover-feature-engineering-how-to-engineer-features-and-how-to-get-good-at-it/
- Kaggle Ensembling Guide
 - http://mlwave.com/kaggle-ensembling-guide/



