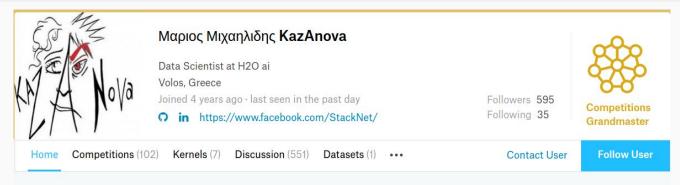
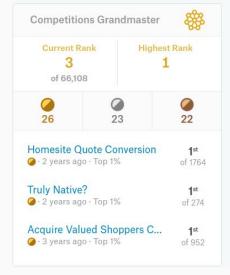
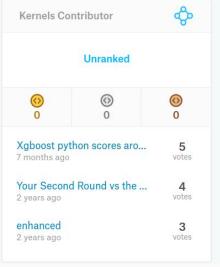
"How to win a data science competition" course

Who we are

Who we are: Marios Michailidis

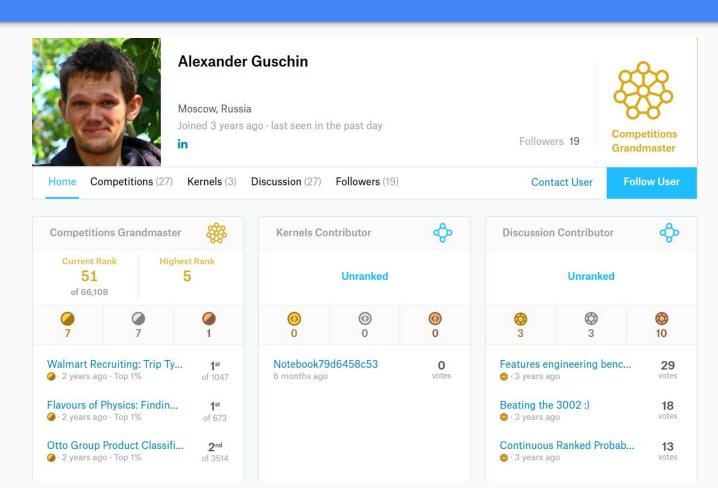




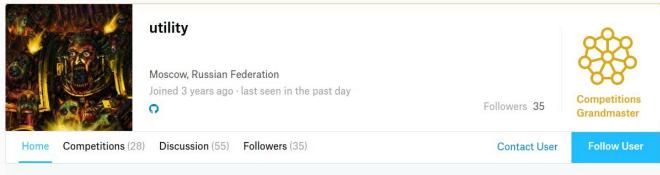


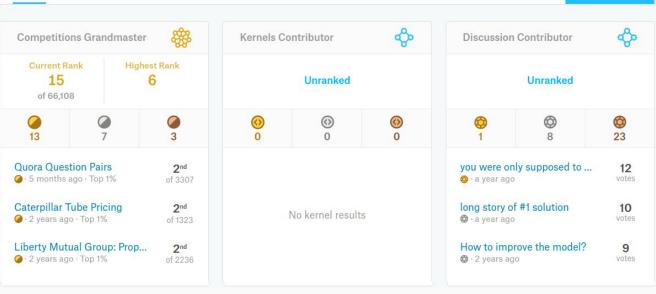


Who we are: Alexander Guschin

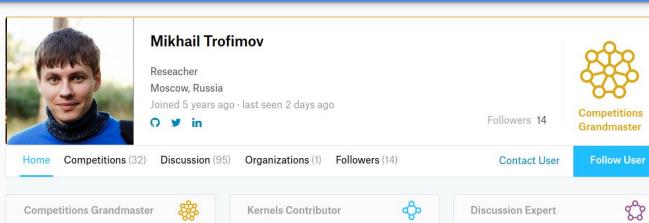


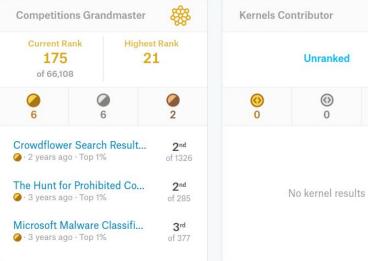
Who we are: Dmitry Altukhov





Who we are: Mikhail Trofimov







Who we are: Dmitry Ulyanov



Dmitry Ulyanov

Moscow, Russian Federation Joined 4 years ago - last seen in the past day

O in https://dmitryulyanov.github.io/about

Followers 4 Following 1

Competitions Master

Competitions (19)

Kernels (4)

7th

of 1047

Discussion (27)

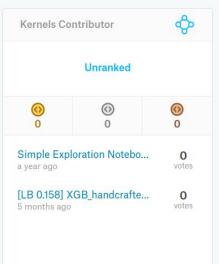
Datasets (0) · · · ·

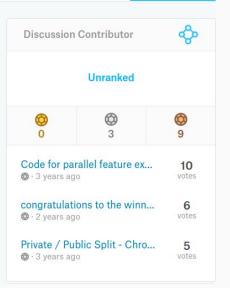
Edit Profile



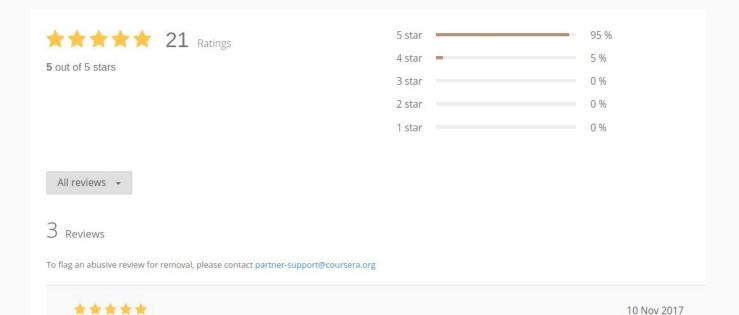
Walmart Recruiting: Trip Ty...

2 years ago · Top 1%





How was it?



This course is fantastic. It's chock full of practical information that is presented clearly and concisely. I would like to thank the team for sharing their knowledge so generously.

Reply

How was it?

• It was hard.

What the course is about?

Week1

- Intro to competitions & Recap
- Feature preprocessing & extraction

Week2

- o EDA
- Validation
- Data leaks

Week3

- Metrics
- Mean-encodings

Week4

- Advanced features
- Hyperparameter optimization
- o Ensembles

Week5

- Final project
- Winning solutions

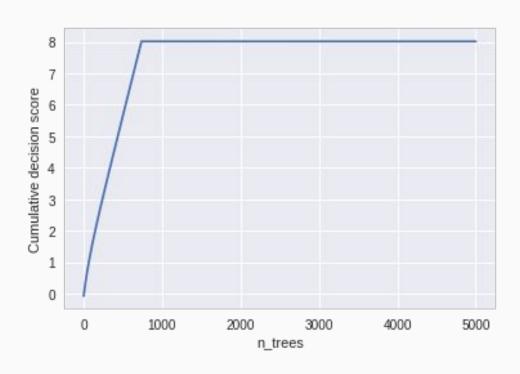
Several words about the process

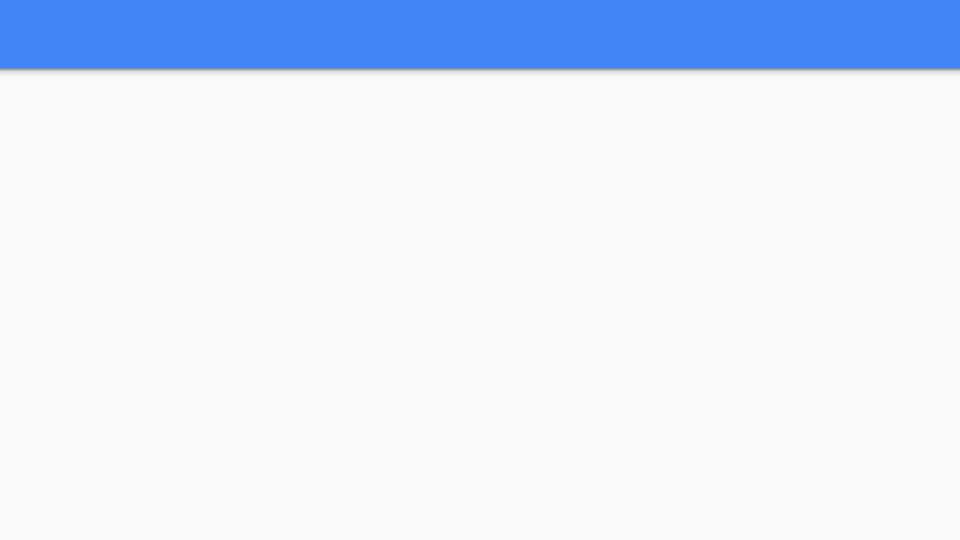
- Что будет, если из обученной GBDT модели (например XGboost) выкинуть первое дерево?
 - **a.** Все сломается к чертям (почти рандом)
 - **b.** Качество упадет, но не сильно
 - с. Качество не изменится
 - **d.** Качество улучшится, но не сильно
 - е. Качество станет 146

```
X_{all} = np.random.randn(5000, 1)
y_all = (X_{all}[:, 0] > 0)*2 - 1
```

```
clf = GradientBoostingClassifier(n_estimators=5000, learning_rate=0.01, max_depth=3,
clf.fit(X_train, y_train)
```

Logloss using all trees: 0.0003135802484425486
Logloss using all trees but last: 0.00031358024844265755
Logloss using all trees but first: 0.00032053682522239753





```
clf = GradientBoostingClassifier(n_estimators=5000, learning_rate=8, max_depth=3,
clf.fit(X train, y train)
```

```
Logloss using all trees: 3.03310165292726e-06
Logloss using all trees but last: 2.846209929270204e-06
Logloss using all trees but first: 2.3463091271266125
```

$$F(x) = const + \sum_{i=1}^{n} \gamma_i h_i(x)$$

Еще вопрос

2.	What	What of these methods can be used to preprocess texts?	
		Levenshteining	
		Stopwords removal	
		Plumping	
		Lemmatization	
		Lowercase transformation	
		Stemming	
		Plumbing	