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Bosch Production Line Performance

Reduce manufacturing failures

$30,000 · 1,373 teams · a year ago

Overview   Data   Kernels   Discussion   Leaderboard   Rules   Late Submission

Overview

Description

Evaluation

Prizes

Ieee Bigdata 2016

Timeline

A good chocolate soufflé is decadent, delicious, and delicate. But, it's a challenge to prepare. When you pull a disappointingly deflated dessert out of the oven, you instinctively retrace your steps to identify at what point you went wrong. Bosch, one of the world's leading manufacturing companies, has an imperative to ensure that the recipes for the production of its advanced mechanical components are of the highest quality and safety standards. Part of doing so is closely monitoring its parts as they progress through the manufacturing processes.

Because Bosch records data at every step along its assembly lines, they have the ability to apply advanced analytics to improve these manufacturing processes. However, the intricacies of the data and complexities of the production line pose problems for current methods.

In this competition, Bosch is challenging Kagglers to predict internal failures using thousands of measurements and tests made for each component along the assembly line. This would enable Bosch to bring quality products at lower costs to the end user.

Leaderboard

1 ash&beluga

2 Daniel FG

3 "Data Property" Avengers

4 scnndl

5 Make dishwashers great again

6 Another Haunted and Leake...

7 Extreme Gradient Plumbing

8 LAJMBURO

Kernels

Road-2-0.4+
120 votes · a year ago

Notebookd19d11e4f2
99 votes · a year ago

Python XGBoost Starter (0.20...
70 votes · a year ago

Shopfloor Visualization
66 votes · a year ago

Optimizing probabilities for be...
55 votes · a year ago

253 discussion topics

L2 ensembling
5 replies · a month ago

Any interest to write a paper h...
13 replies · 3 months ago

Using bosch data for research ...
1 reply · 3 months ago

Using the data for academic re...
4 replies · 3 months ago

Date Exploration (6min == 0.01)
16 replies · 5 months ago

Launch
a year ago

Close
a year ago

a year ago
Rules Acceptance
Deadline

1,373
Teams

1,602
Competitors

Points **This competition awarded standard ranking points**

Tiers **This competition counted towards tiers**

Tags   tabular   binary classification   manufacturing   matthewscorrelationcoefficient   medium

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