



Large Scale Hierarchical Text Classification

Classify Wikipedia documents into one of 325,056 categories

119 teams · 3 years ago

Overview

We are pleased to announce the 4th edition of the Large Scale Hierarchical Text Classification (LSHTC) Challenge. The [LSHTC Challenge](#) is a hierarchical text classification competition, using very large datasets.



Description

Evaluation

Prizes

Timeline

Winners

Hierarchies are becoming ever more popular for the organization of text documents, particularly on the Web. Web directories and Wikipedia are two examples of such hierarchies. Along with their widespread use comes the need for automated classification of new documents to the categories in the hierarchy. As the size of the hierarchy grows and the number of documents to be classified increases, a number of interesting machine learning problems arise. In particular, it is one of the rare situations where data sparsity remains an issue, despite the vastness of available data: as more documents become available, more classes are also added to the hierarchy, and there is a very high imbalance between the classes at different levels of the hierarchy. Additionally, the statistical dependence of the classes poses challenges and opportunities for new learning methods.

The challenge is based on a large dataset created from Wikipedia. The dataset is multi-class, multi-label and hierarchical. The number of categories is roughly 325,000 and number of the documents is 2,400,000.

This challenge builds upon a series of successful challenges on large-scale hierarchical text classification. More information can be found at <http://lshtc.iit.demokritos.gr/>

This track concerns multi-label classification based on the wikipedia dataset. The hierarchy is a graph that can have cycles. The number of categories is roughly 325,000 and the number of documents is 2,400,000. A document can appear in multiple classes.

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Acknowledgements

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Leaderboard



- 1 anttip
- 2 Alexander D'yakonov (MSU, Moscow, Russia)
- 3 nagadomi
- 4 Martin Martin
- 5 paithan
- 6 student2012
- 7 Dmitriy Anisimov
- 8 Harvard Stat 183

29 discussion topics



Is there a way to know to which word a feature bel...

4 replies · an hour ago

Do Category IDs correspond to Wikipedia IDs?

0 replies · 2 months ago

Winning Solution Description

6 replies · 2 years ago

Hierarchy is not on labels

3 replies · 2 years ago

MaF-score: Theoretical performance of 0.5?

0 replies · 3 years ago

119

Teams

167

Competitors

Points **This competition awarded standard [ranking points](#)**Tiers **This competition counted towards [tiers](#)**