Improving NER Research Workflows with SeqScore



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pip install seqscore

SeqScore is a robust, one-stop command line tool for working with NER data, tested on dozens of modern datasets.

Why? Isn't NER data simple?

NER data is messy and not standardized. Many publicly released datasets have errors that can affect evaluation. Most one-off scripts fail when run on multiple datasets.

Finding and Fixing Data Problems

The **validate** command identifies invalid label transitions (O to I in BIO), and the **repair** command provides options for fixing them. Most datasets have these errors, and they cause trouble!

Summarizing Data

Want to know what's in an NER dataset? The **summarize** command gives the size of each split (train/dev/test) and counts for all the entity types it contains. The **count** command exports all entity mentions in a tabular format for easy review.

Training and Evaluating Models

The **process** command maps entity types (fine to coarse) or removes them (who wants MISC anyway?). The **convert** command changes between label encodings (BIO to BIOES, etc.). Finally, **score** provides scores and error analysis tables.

https://github.com/bltlab/seqscore