A Public Benchmark for Clinical Prediction and Multitask Learning

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https://github.com/YerevaNN/mimic3-benchmarks

Specs

• Code that builds benchmarks from MIMIC-III
• 42,276 ICU stays, fixed test set of 5,070
• 17 physiologic variables (50+ coming!)
• Code: preprocessing, readers and minibatch generators, evaluation, handful of baselines and RNN variants
• We accept pull requests!

Clinical Prediction Tasks

Risk of mortality (SOI)  Decomposition (EWS)

Length of stay

Additional prediction tasks, e.g., sepsis, in progress