Accurate characterization of networking data

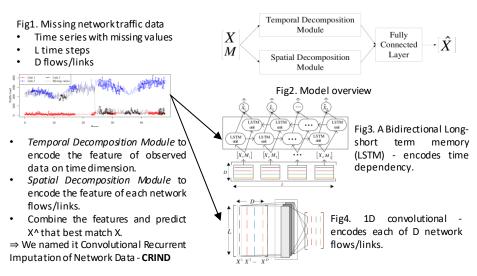


Spatio Temporal Neural Network for missing network data imputation

Motivation

Missing values appear in most multivariate time series, especially in the monitored network traffic data due to high measurement cost, or unexpected faults. In the networking field, the problem of missing data prevents advanced analysis and downgrades the performance of downstream applications such as traffic engineering. Therefore, we are conducting research to impute the missing data with minimum error by applying deep learning technique.

Research content



Preliminaries

What is network measurement data?

Why do we need data imputation?

What are previous data recovery methods?

What is the solution approach?

Experimental studies

