Master Thesis – Simulated A/B Testing Using Live Network Data

Background
Mobile networks are used all over the world and are the corner stone for the networked society, where everything will be connected. To support the vast amount and diversity of data expected in future networks, Ericsson develops products to drive and support the networked society. The subject for this Master Thesis is defined to investigate and develop algorithms, architecture, tools etc. to support huge increase of speech, data, and massive IoT for Radio Access Networks.

Thesis Description
Ericsson collects a large amount of configuration and performance data from customers. In the configuration data we can detect manual parameter changes. Can we find correlations between the manual parameter changes and improvements of the performance data? Can these correlations be generalized and used as a basis for automation of parameter changes?

The thesis will be concluded with a result presentation for the Ericsson team.

Qualifications
This project aims at students in electrical engineering, computer science, computer engineering or similar.

Extent
1-2 students, 30hp each

Location
Ericsson AB Mjärdevi, Linköping

Preferred Starting Date
Spring 2023

Keywords
SW development, Mobile Telecommunication, Optimization.

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