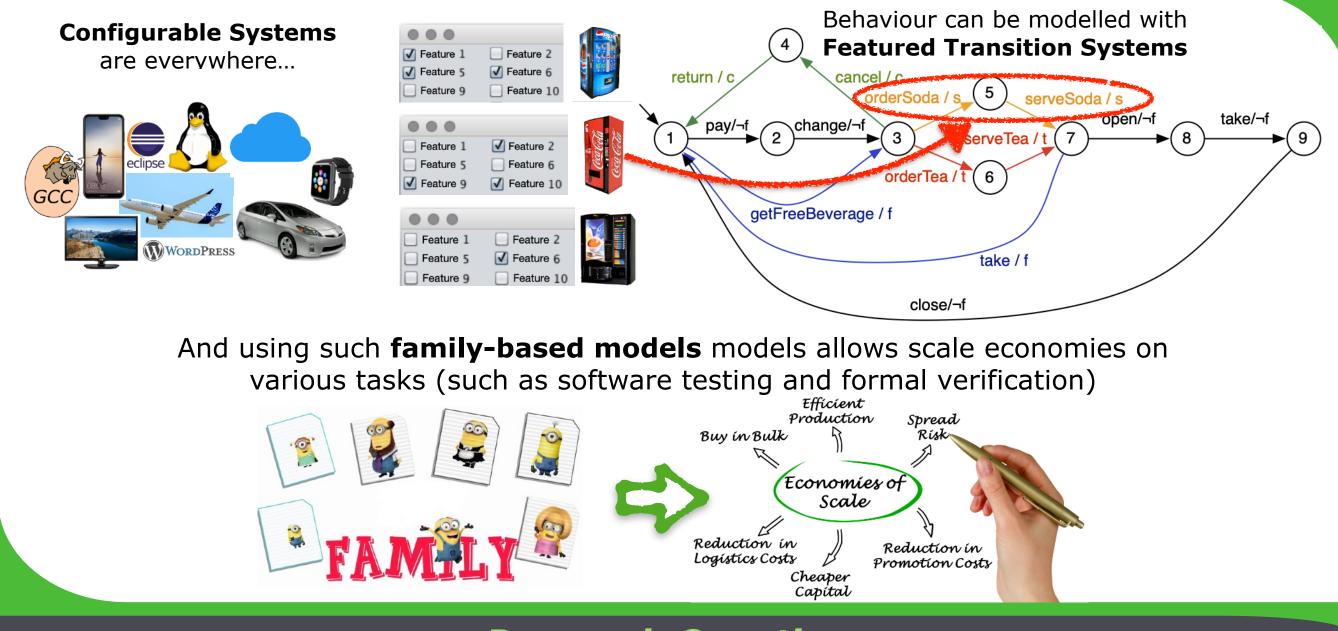
# LIFTS: Learning Featured Transition Systems

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### **Problem Statement**



#### **Research Question:**

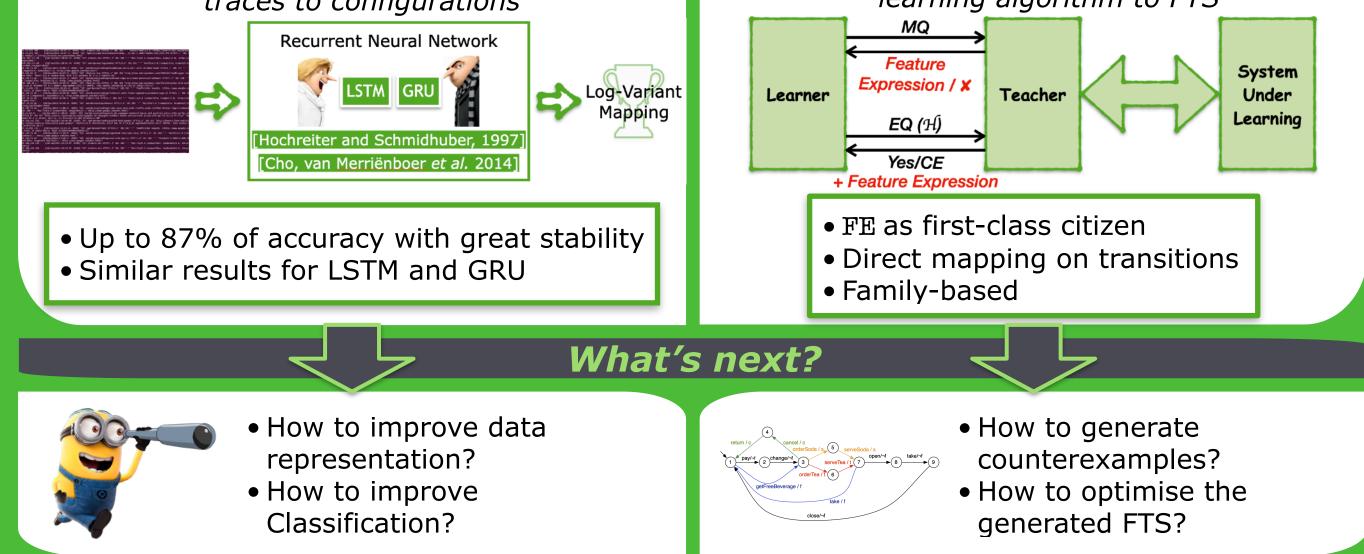
How to automatically learn Featured Transition Systems?

## VaryMinions

Uses Machine Learning to map traces to configurations

#### **FTSLearnLib**

Adapts state-of-the-art learning algorithm to FTS



Fortz, S., 2021. *LIFTS: learning featured transition systems.* Proceedings of the 25th ACM International Systems and Software Product Line Conference-Volume B, pp. 1–6.

Fortz, S., Temple, P., Devroey, X., Heymans, P., Perrouin, G., 2021. VaryMinions: leveraging RNNs to identify variants in event logs. Proceedings of the 5th International Workshop on Machine Learning Techniques for Software Quality Evolution, pp. 13–18.

