

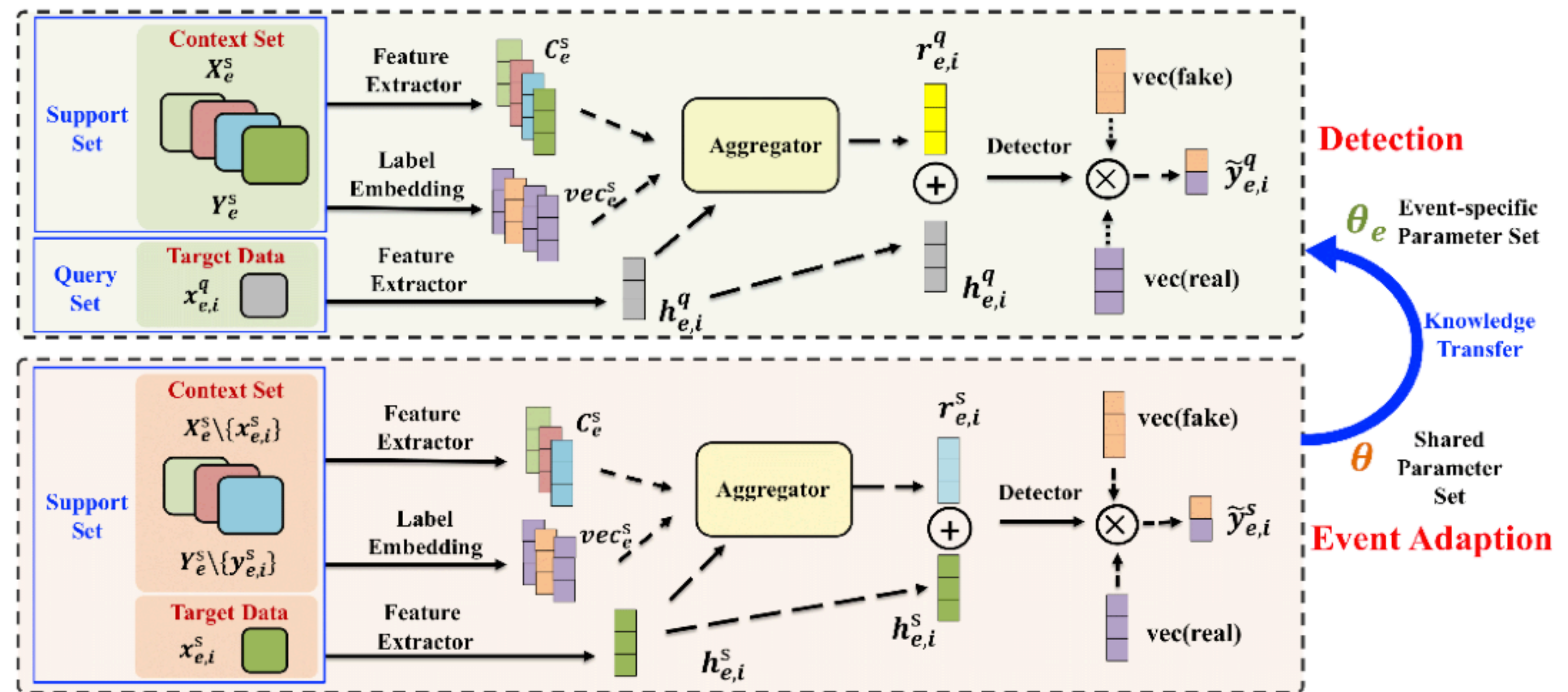
Introduction

Proposed Approach: MetaFEND

- To address the aforementioned challenges, proposed a **novel meta neural process network (MetaFEND)** for emergent fake news detection.
- MetaFEND unifies the incompatible operation from **meta-learning** and **neural process** via simple yet novel simulated learning task,
 - whose goal is to **adapt the parameters** to better take advantage of given support data points as conditioning.

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Overview of MetaFEND

- Proposed to conduct **leave-one-out prediction** as shown in figure.
- Repeatedly use one of given data as target data and the rest are used as context set for conditioning on all the data support set.
- Therefore, MetaFEND can **handle heterogeneous events** via event adaption parameters and **conditioning on event-specific data** instances simultaneously.