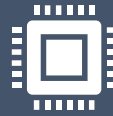


Secure Federated Feature Selection



Idea: use **chi-square-test** to test whether the target is independent of a certain feature in a **federated** manner



Chi-square test can be re-casted to a **second frequency moments** estimation problem



Second frequency moments can be estimated using **stable projection**.



The encodings of stable projection can be linearly aggregated, thus compatible with **secure aggregation**.