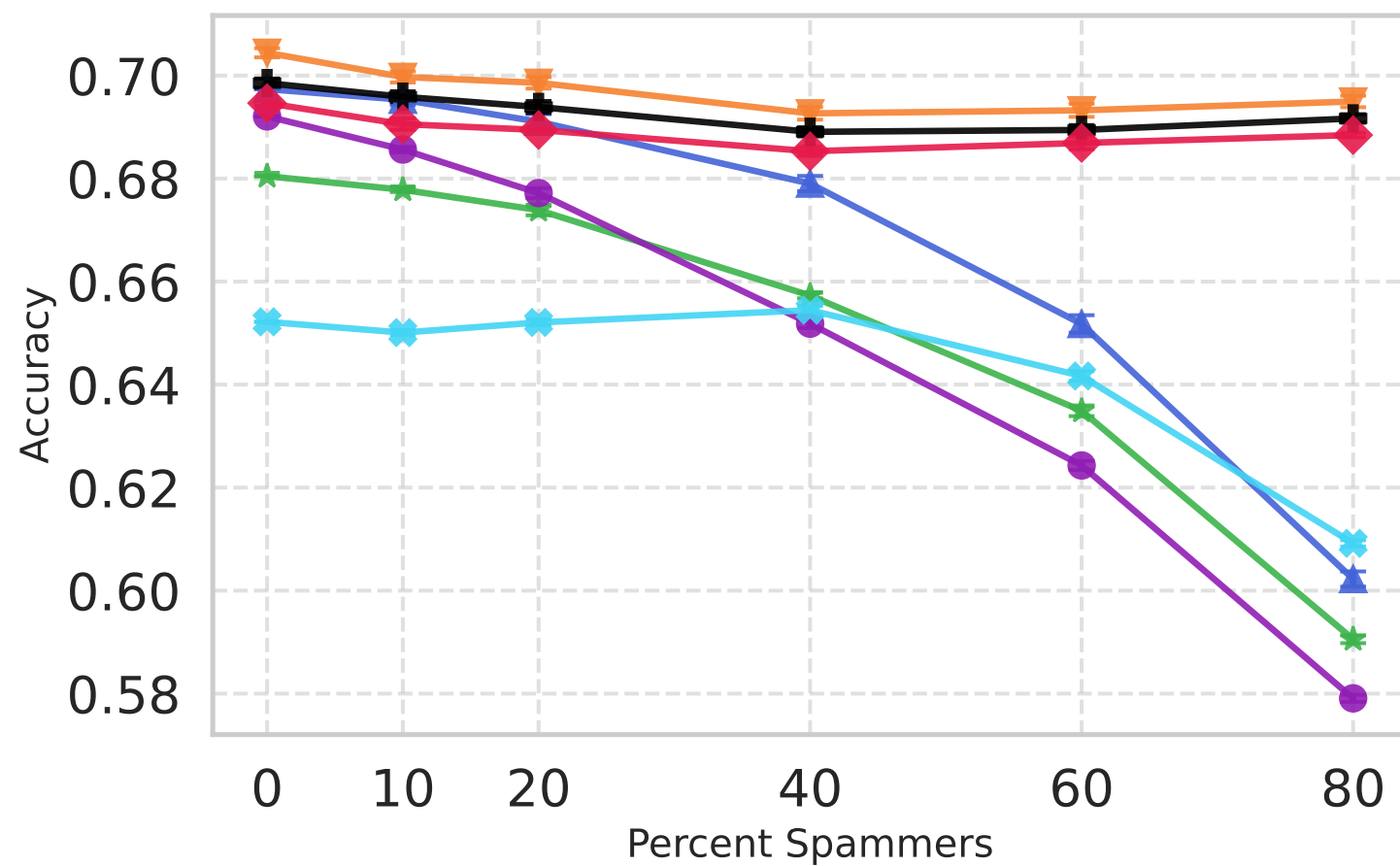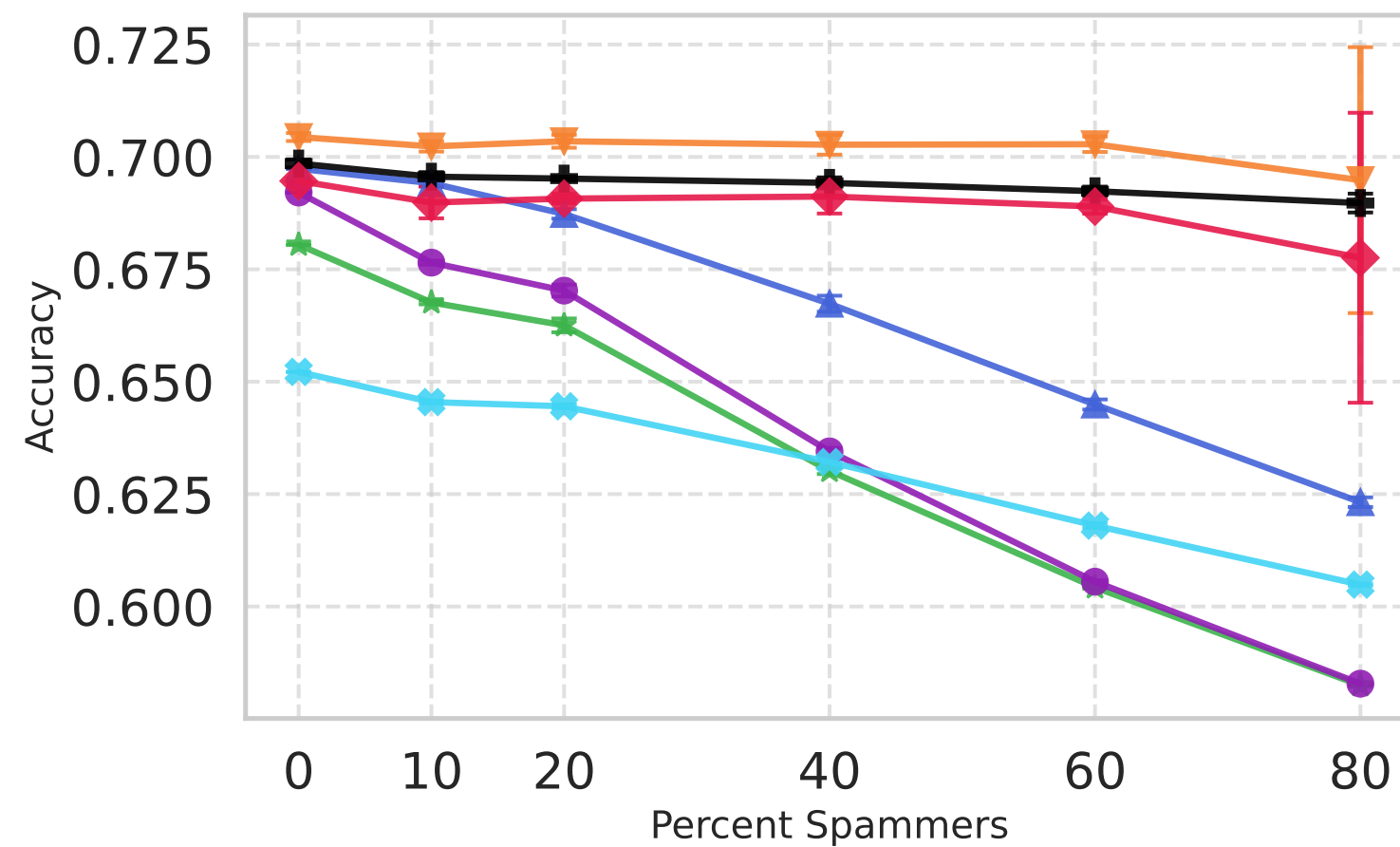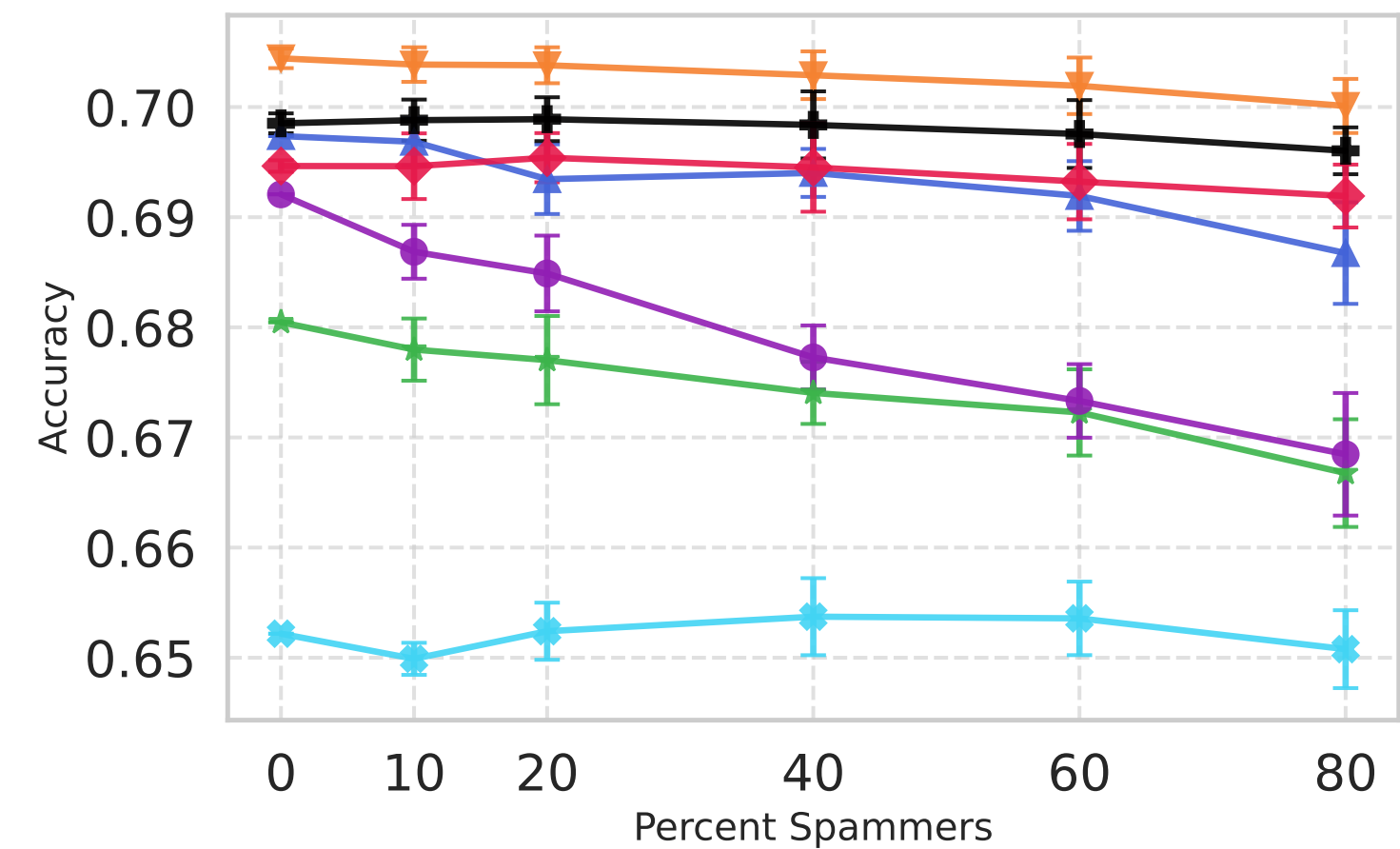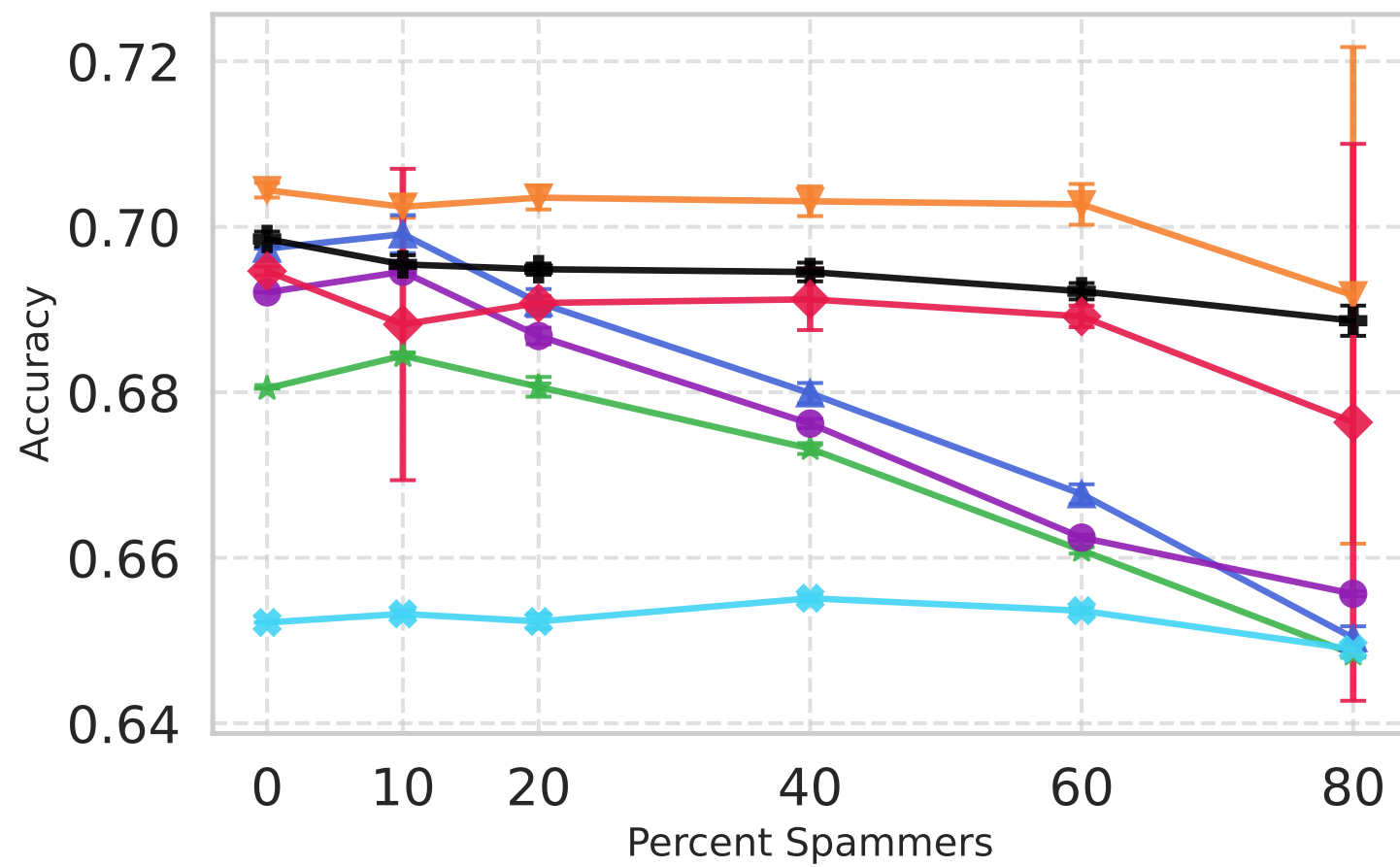**Adding anti-persons**

Adding left-position biased spammers

Adding spammers answering randomly

Adding right-position biased spammers

Adding all four types of spammers uniformly

Method
- CrowdBT
- BT
- FactorBT
- BARP
- RC
- GradEM (ours)
- PGEM (ours)