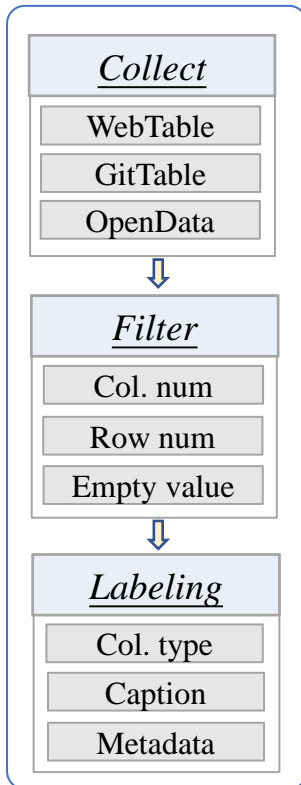
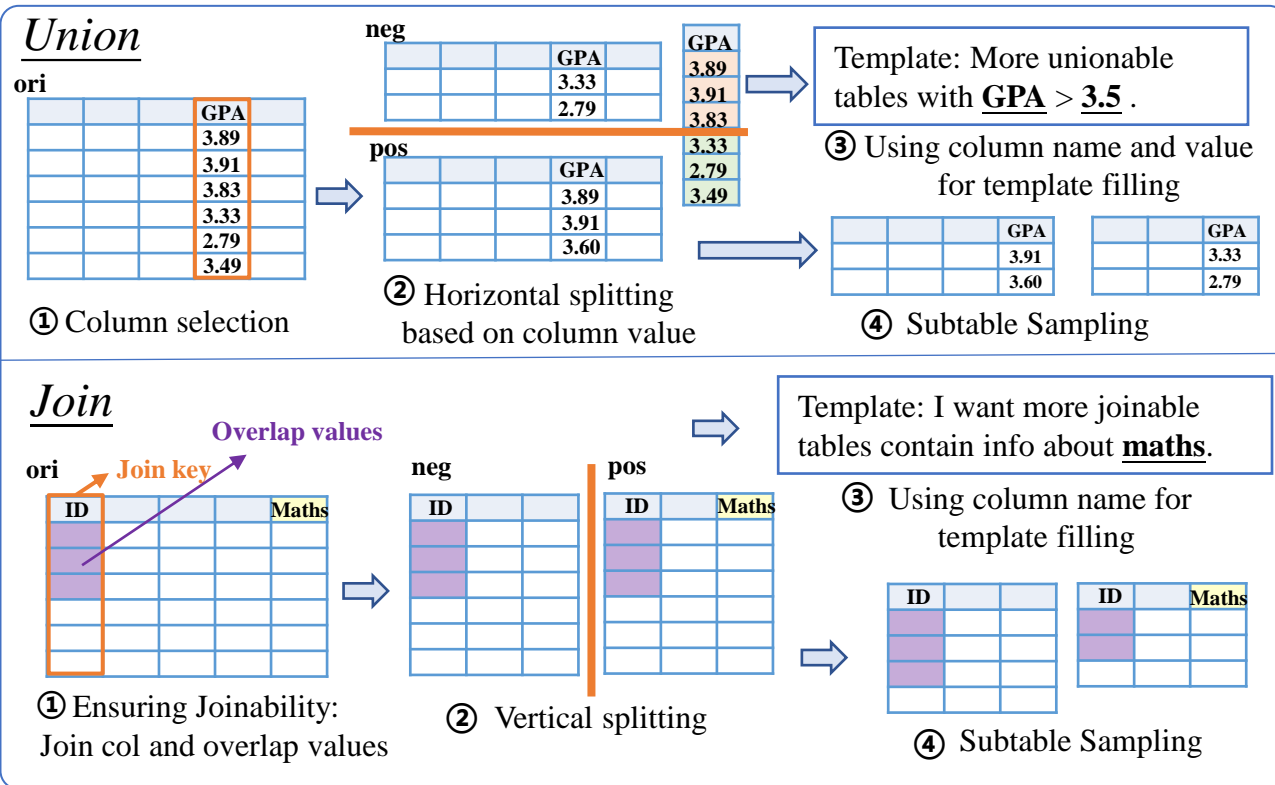


(a) Preprocessing



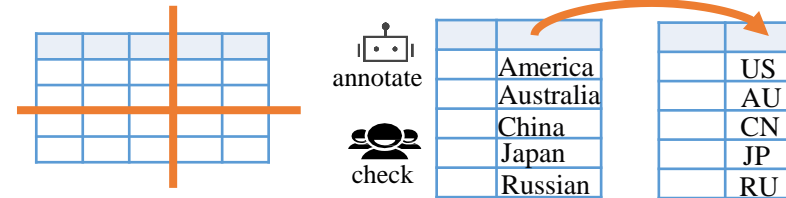
(b) Query Construction



(c) GT Generation

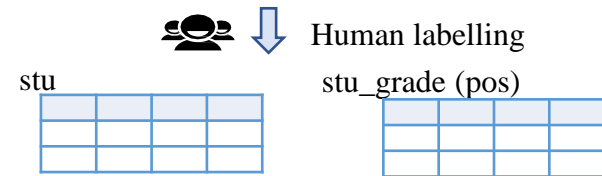
Auto Labeling

- (1) Table splitting
- (2) Semantic Augmentation



SQL-based Labeling

```
SELECT T2.score FROM stu AS T1 INNER JOIN  
stu_grade AS T2 ON T1.Id = T2. Id
```



NL-condition: Joinable tables with grade info.