## Data & Evaluation

The framework was trained and validated on a real-world dataset to ensure the results are robust and generalizable.

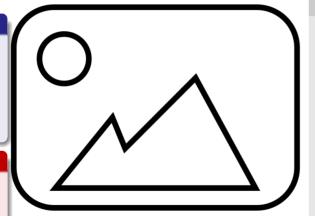
## The PPM Corpus

The definitive experiments were conducted on a large corpus provided by the **Program Pathways Mapper (PPM)**:

- Source: Real-world data from California's public colleges.
- **Ground Truth:** Course equivalency is defined by the Course Identification Numbering System (C-ID).
- Scale: The final, cleaned corpus consists of 2,157 courses across 157 distinct C-ID classes.

## Rigorous Evaluation Protocol

- Partitioning: A stratified 50/50 split was used to create non-overlapping training and test sets, ensuring all classes were represented in both.
- Primary Metric: The F<sub>1</sub>-Score was used as the primary metric to balance the trade-off between precision and recall.





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