SINDY in Spark

apping



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read csv into list of DataFrames

→ create column name to id mapping
→ map each DF's rows to (VALUE, COLUMN_ID)
→ aggregate each DF's values into (VALUE, COLUMN_IDS[])
→ merge all DFs to single DF of (COLUMN_IDS[])
→ flatmap each entry to lists of (COL, REF_COLS[])
→ group by COL and intersect different REF_COLS[]
→ remove where REF_COLS[] empty
```

DataFrame Merge Logic

collect and output using reverse column mapping