

TURL: Table Understanding through Representation Learning

National Film Award for Best Direction → page title & topic entity

From Wikipedia, the free encyclopedia

Winners [edit] → section title

List of award recipients, showing the year, film and language → caption

Year ^[R]	Recipient	Film	Language	Ref
1967 (15th)	Satyajit Ray	Chiriyakhana	Bengali	[13]
1968 (16th)	Satyajit Ray	Goopy Gyne Baghe Byne	Bengali	[14]
1969 (17th)	Mrinal Sen	Bhuvan Shome	Hindi	[15]
1970 (18th)	Satyajit Ray	Pratidwandi	Bengali	[16]

headers

entity

object columns

subject column (year here are linked to specific events)

Figure 1: An example of a relational table from Wikipedia.

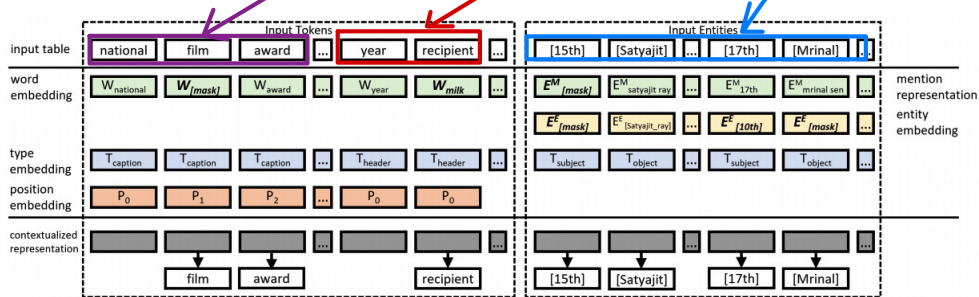


Figure 3: Illustration of the model input-output. The input table is first transformed into a sequence of tokens and entity cells, and processed for structure-aware Transformer encoder as described in Section 4.4. We then get contextualized representations for the table and use them for pre-training. Here [15th] (which means 15th National Film Awards), [Satyajit], ... are linked entity cells.