

1. Programming layer

T-PRISM program

- tensor atom
- operator atom
- placeholder
- special utility predicates

Python code (optional)

- custom loss function
- custom operators
- faster data handling

tp Prism command line arguments

- (optional)
- other options

2. Intermediate data layer

Explanation graph
(.json)

Flags (.json)

Input data(.h5)
for placeholders
(optional)

Embeddings (.h5)
(optional)

Vocabulary(.pkl)
(optional)

upprism command
(optional python script
for data handling)

3. Computation layer

TensorFlow: computational graph
(A set of equations with einsum operation)

TensorFlow: parameter learning program
using a loss function

tp Prism command