TEACHING TEXT-FABRIC TO THEOLOGICAL STUDENTS

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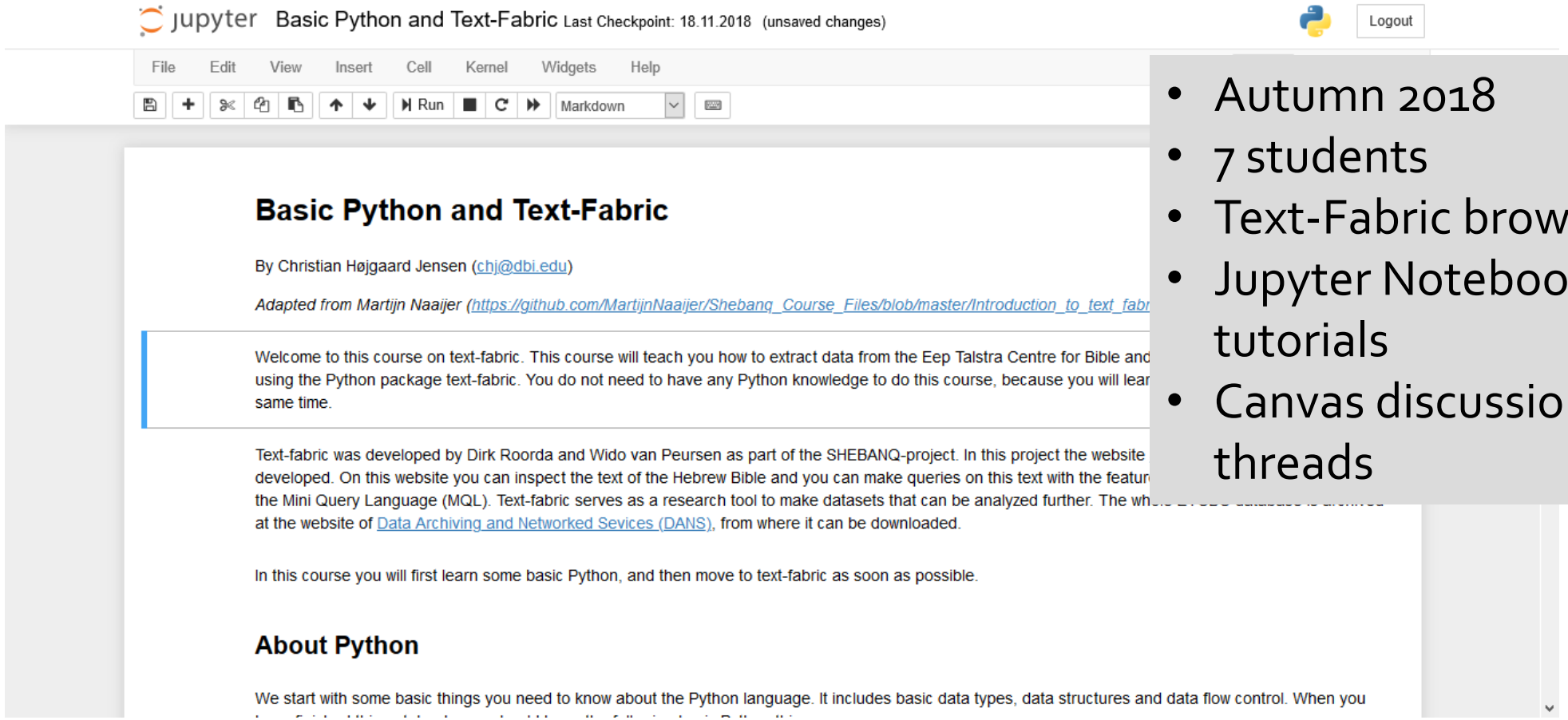
Digital Hermeneutics and the Reception of the Hebrew Bible



- Autumn 2018
- 7 students
- Text-Fabric browser
- Jupyter Notebook tutorials
- Canvas discussion threads

LAF-workshop 2016

Update Anaconda:

- Anaconda: conda update conda

Update python:

- Anaconda: conda update python

Check ipython version:

- Anaconda: python –version

Install Jupyter:

- pip3 install jupyter

Install LAF-fabric:

- Anaconda: pip install laf-fabric

Open browser:

- Anaconda Prompt: jupyter notebook

From LAF-Fabric....

```
In [ ]: from laf.fabric import LafFabric
        from etcbc.preprocess import prepare
        from etcbc.lib import Transcription
        fabric = LafFabric(verbose='DETAIL')
```

```
In [2]: source='etcbc'
        version='4b'

        API=fabric.load(source+version, 'lexicon,'work
            "xmlids": {"node": False, "edge": False},
            "features": ('''
                otype
                lex g_word g_cons g_word_utf8
                sp pdp nametype ls gloss lang
                chapter verse
            ''','mother'),
            "prepare": prepare,
            "primary": False,
        }, verbose='DETAIL')
        exec(fabric.localnames.format(var='fabric'))
```

```
  0.00s LOADING API: please wait ...
  0.28s DETAIL: COMPILING m: UP TO DATE
  0.32s USING main  DATA COMPILED AT: 2015-11-02T15-08-56
  0.32s DETAIL: COMPILING a: UP TO DATE
  0.34s USING annox DATA COMPILED AT: 2016-01-27T19-01-17
```

to Text-Fabric

```
from tf.app import use
A = use('bhsa', hoist=globals())
```

Pedagogy

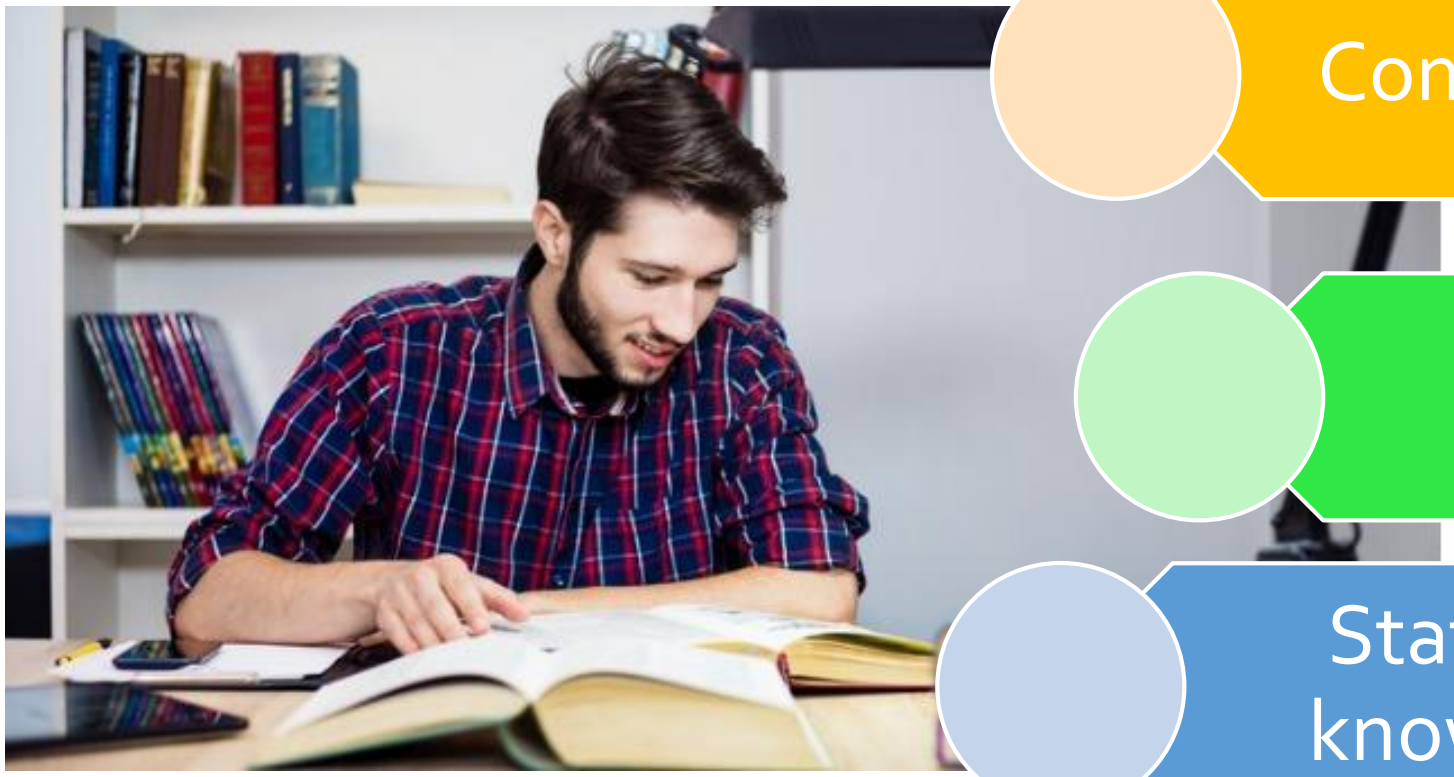
Syllabus

- Theory vs. practice
- Final exam vs. progressive tasks
- Strict curriculum vs. free exploration
- Linguistics vs. exegesis

Digital ressources

- Distribution
- Compatibility
- User guides
- Documentation

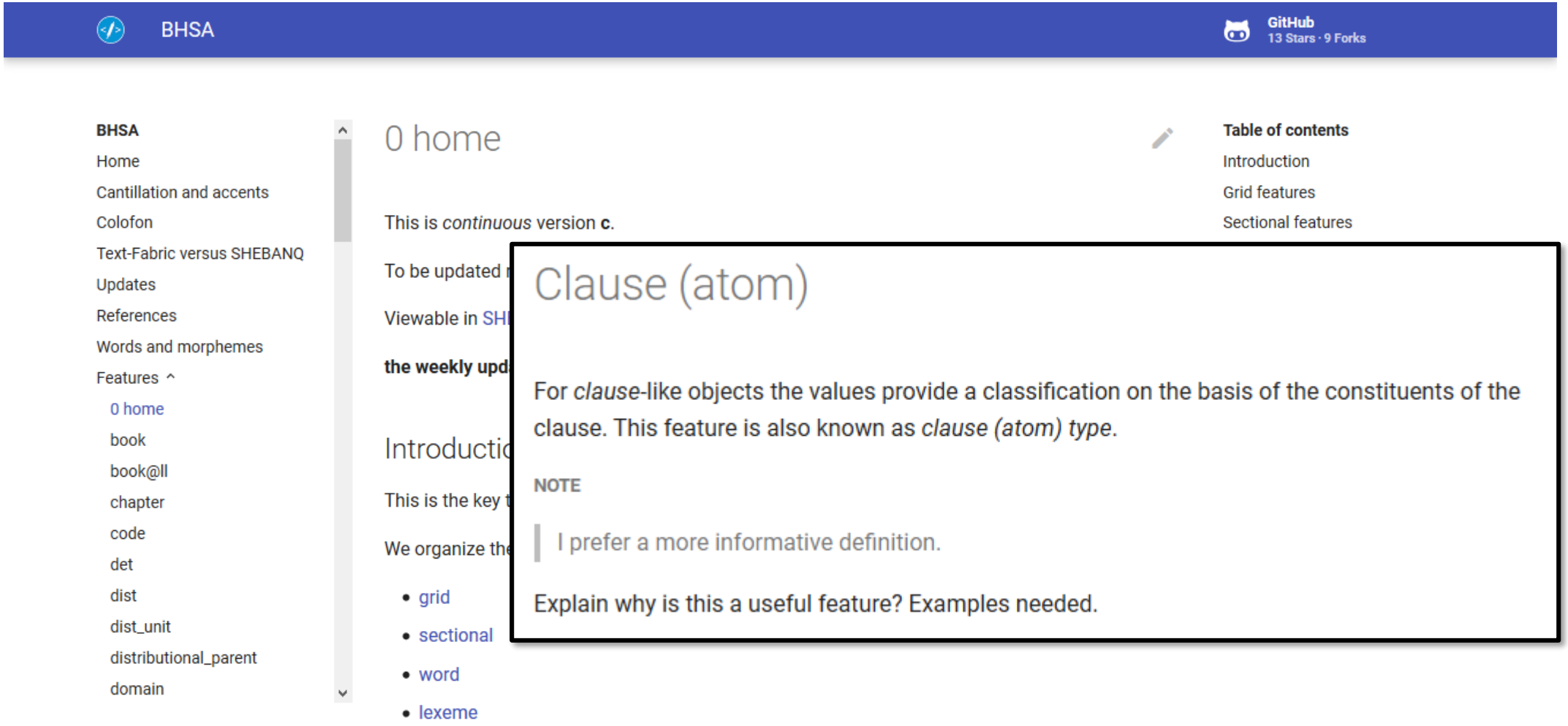
Profiling a theological student



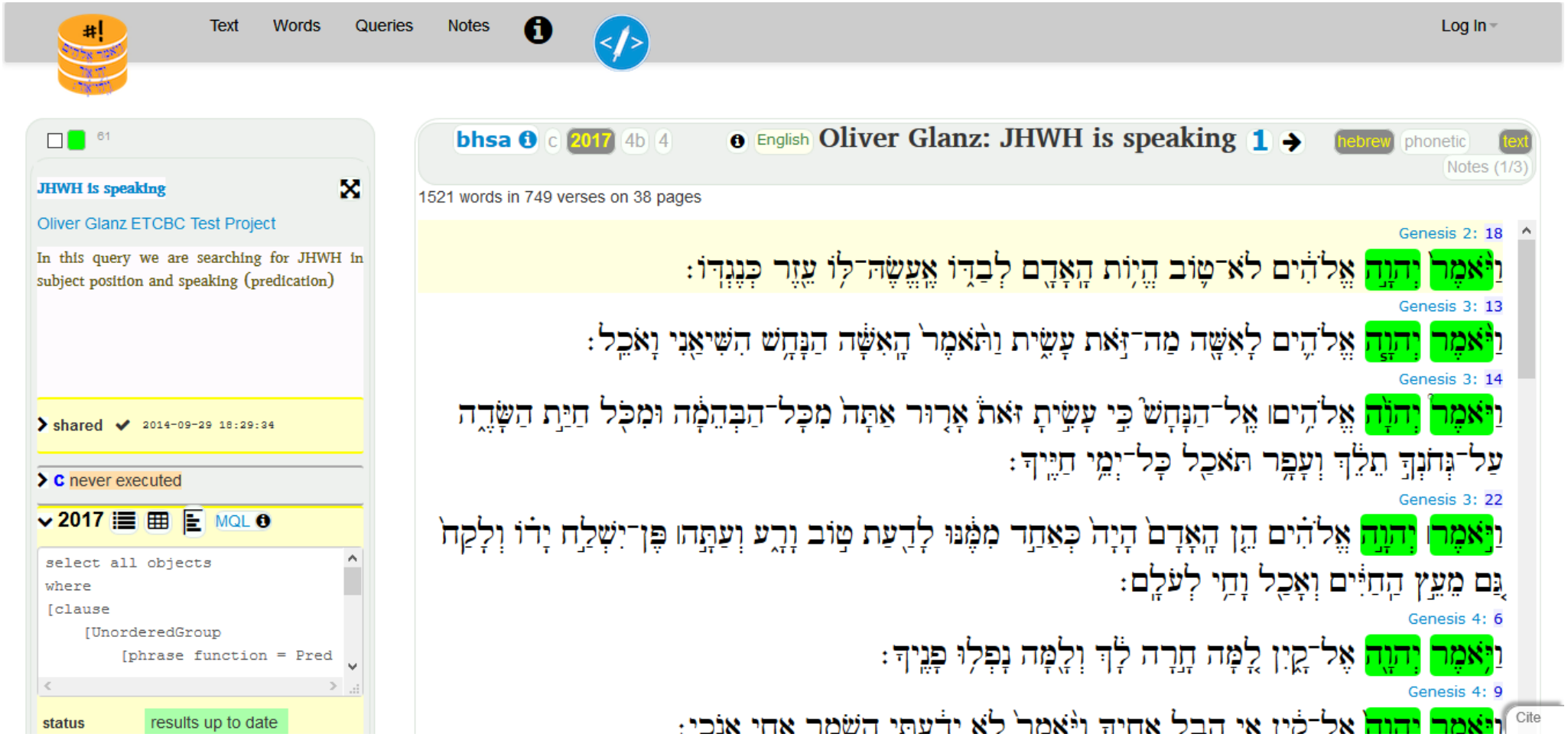
- Computer skills
- Linguistic knowledge
- Statistical knowledge

RECOMMENDATIONS FOR FUTURE DEVELOPMENTS

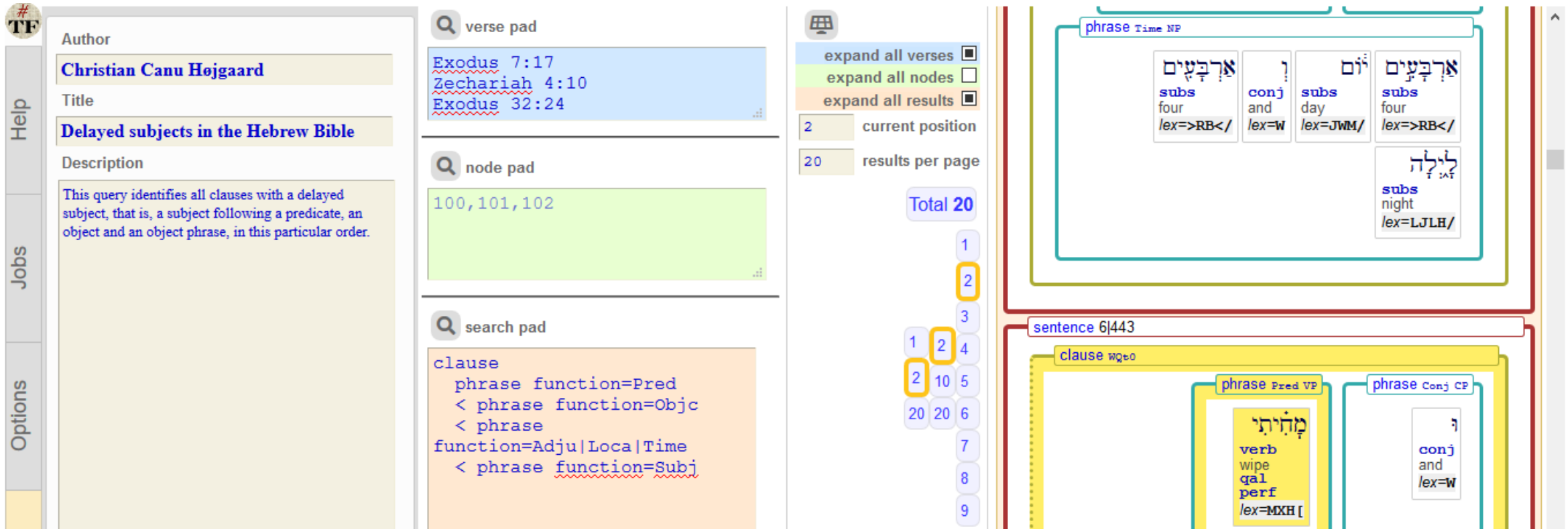
1. Feature documentation



2. Query examples



2. Query examples



TF-browser → Query → Export → ?

3. Early exposure

4. Tutorials

Get started:

- Launch text-fabric
- Navigate between grammatical layers (word, phrase, clause, etc.)
- Extract data
- Store data in dictionaries/dataframes
- Export data

Not research notebooks
Not database explorations

4. Tutorials

Get inspired:

- Concrete queries for adressing exegetical questions
- Extracting valence patterns
- Discovering simple syntactic patterns

Start analyzing

- Basic distributional statistics
- Basic clustering analyses

5. Knowledge base

Query examples and storage

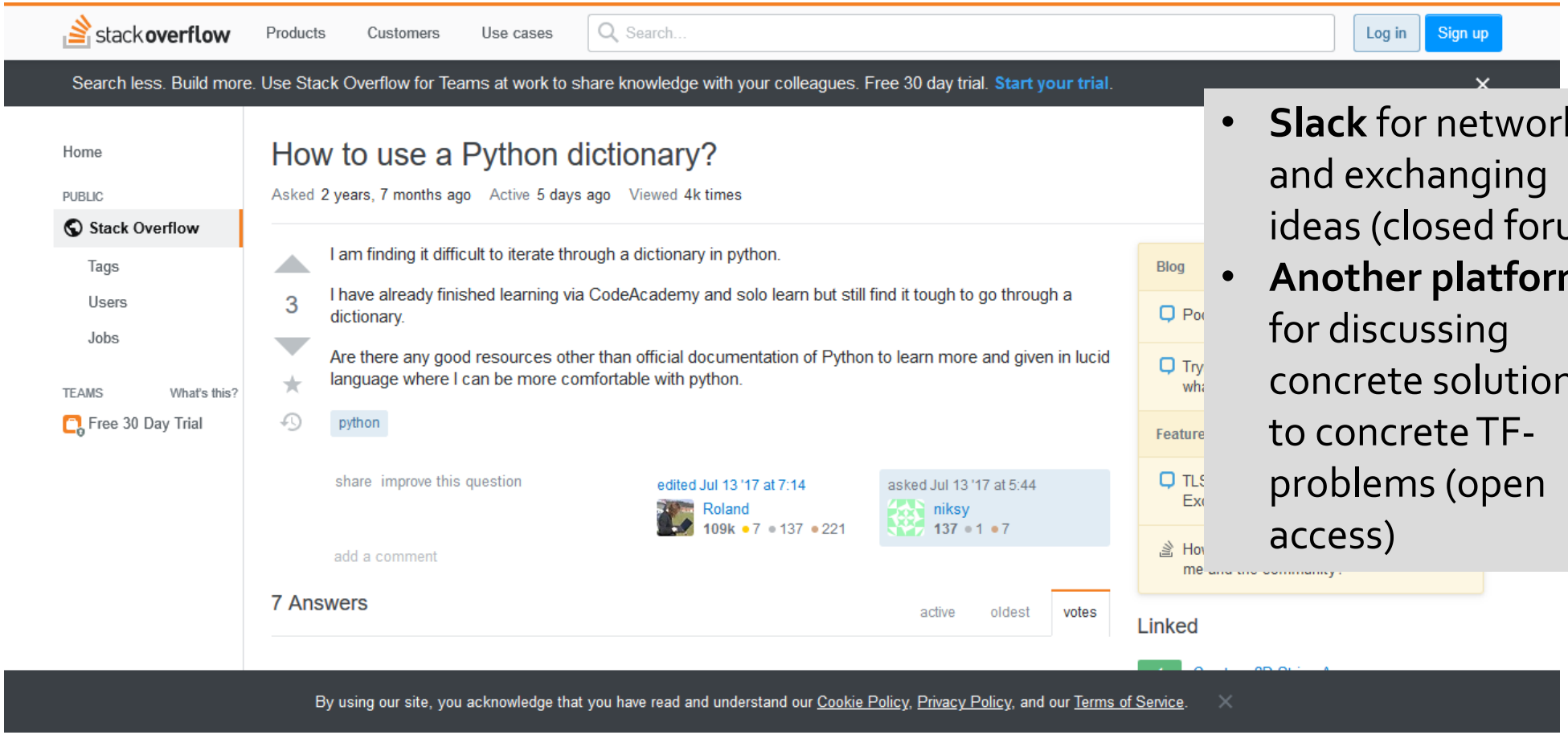
Documentation

Q & A's – Stackoverflow-like?

Current research - contact

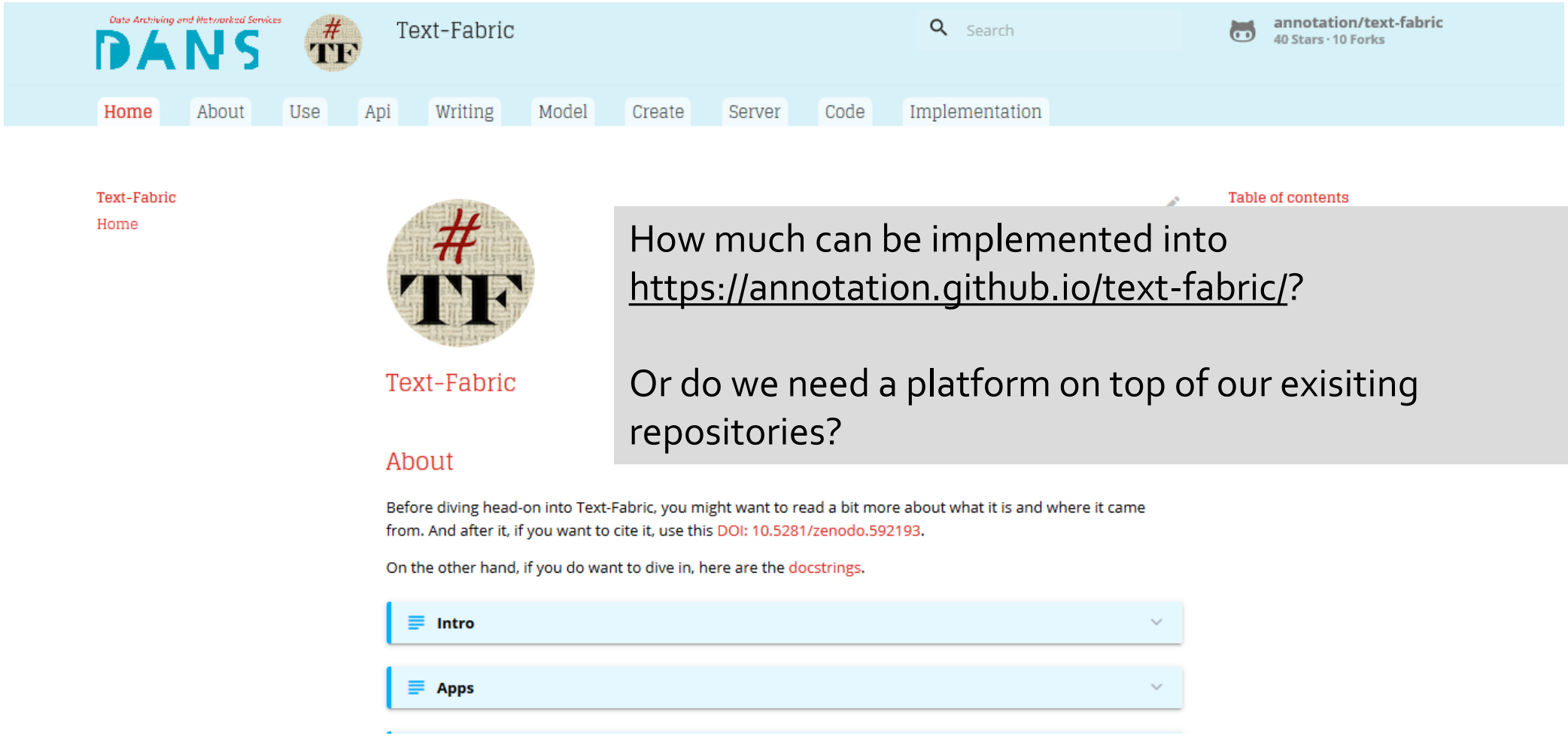
Tutorials and guides

5. Knowledge base – but how?



- **Slack** for networking and exchanging ideas (closed forum)
- **Another platform** for discussing concrete solutions to concrete TF-problems (open access)

5. Knowledge base – but how?

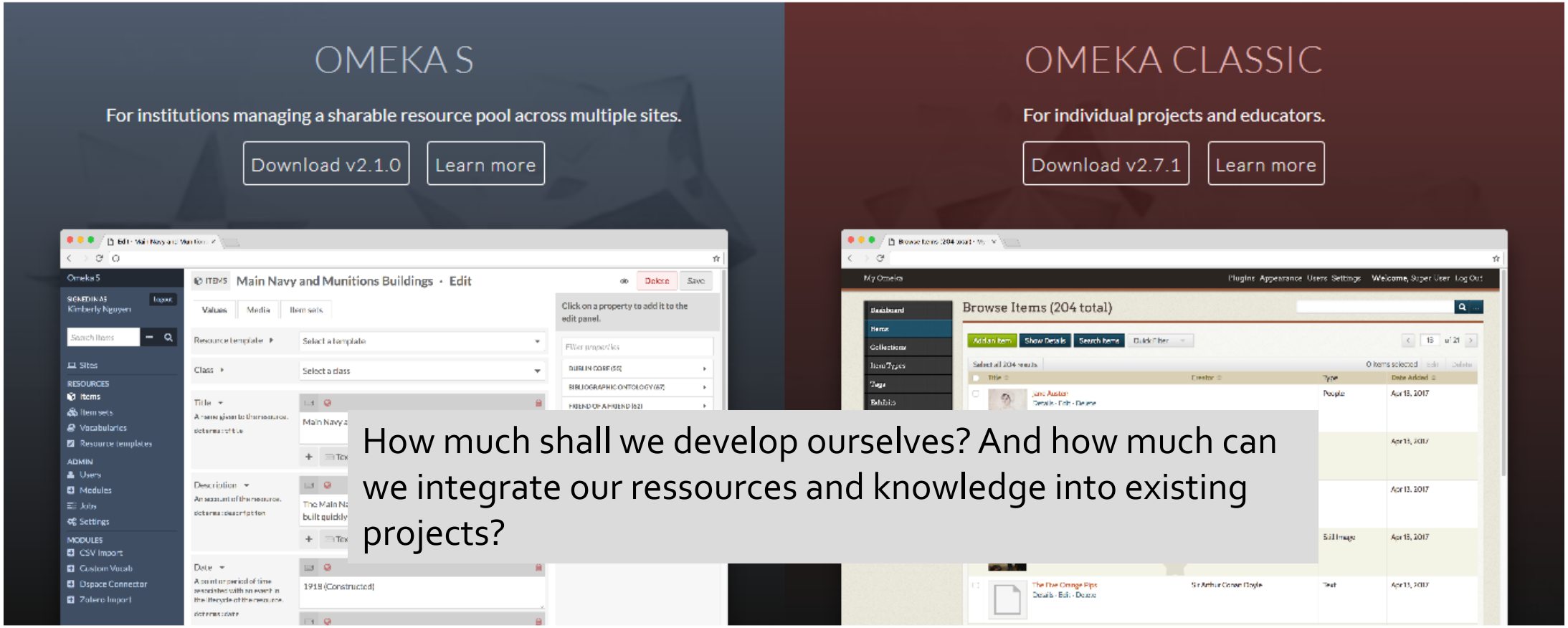


How much can be implemented into https://annotation.github.io/text-fabric/?

Or do we need a platform on top of our exisiting repositories?

5. Knowledge base – but how?

Omeka S Omeka Classic Omeka.net



How much shall we develop ourselves? And how much can we integrate our ressources and knowledge into existing projects?

Omeka provides open-source web publishing platforms for sharing digital

6. Workshops

Summing up

- Feature documentation needs update
- TF-query examples needed – and need for online storage
- Early exposure to the annotated corpora
- Tutorials and cookbooks needed – preferably designed by teachers and students
- Distilling of knowledge into an easy accessible and dynamic knowledge base
- Workshops