

# Neda Taherkhani, PhD

## Linguist, Data Scientist

### SUMMARY

Ph.D. in linguistics; researcher recognized for excellence in research with 8+ years' experience in endangered languages data analysis; content developer, leader, and instructor for undergraduate, graduate, and youth camp courses at universities; data science bootcamp student with several group and private projects; an active, creative, and ambitious woman with a diverse background; passionate about exploring new fields and learning new materials; multilingual and multicultural.



Franklin, TN, USA



(516) 241-5681



[neda.tahe@gmail.com](mailto:neda.tahe@gmail.com)



[linkedin.com/in/nedata](https://www.linkedin.com/in/nedata)



[github.com/nedatahe](https://github.com/nedatahe)

### SELECTED EXPERIENCE

#### Data Science Bootcamp Apprentice, Nashville Software School, Nashville, USA (2021-2022)

- 9-month, 12-hours-of-a-week, synchronous, online courses
- Applied data science approaches to real-world data using Python, R, and SQL in both group and private projects


Selected private projects:

#### A morpho-phonological generator for Tati verbs

Built a Python program that generates the underlying-abstract morphological forms for Southern Tati verbs. Used Regular Expressions to generate the pronounced verb forms. I will also use ML to compare results. Information will be provided upon request

#### Endangered Languages of the world

Built an interactive R Shiny app that represents the distribution of endangered languages of the world

 <https://github.com/nedatahe/endangered-languages>

#### Elahé Omidyar Postdoctoral Fellow in Endangered Iranian Languages, Stony Brook University, NY, USA (2019-2022)

- Collaborated within faculty members and led students and research groups working on linguistics projects
- Mentored undergraduate and graduate students working on Iranian linguistics projects
- Documented Tati, an endangered Iranian language, by authoring papers on vowel harmony, phonetics, and verb morpho-phonology and initiated a grammar book and a children's story book on it
- Interacted with the administrators within and outside the university about conducting linguistic and cultural research
- Delivered several academic talks about my projects

#### Research Assistant at Indigenous and Endangered Languages Lab, Purdue University, IN, USA (2014-2019)

- Created content for and trained students on language documentation
- Collaborated with lab mates in producing content and present on Motion Predicates in different languages
- Acted as the language consultant for a field methods and language documentation seminar on various topics about Tati language and culture

#### Lecturer of various undergraduate and graduate-level courses, Stony Brook University and Purdue University (2014-2022)

- Selected courses taught: Field Methods, Uncommonly Taught Languages, Languages and Life in Iran, Introduction to Linguistics, all levels of Persian language, English for Computer Science

### SKILLS

#### Programming and technical

Python (Regex, Matplotlib, NumPy, Seaborn, Geopandas), R (Shiny, dplyr, ggplot), SQL, Git, ELAN

#### Languages

English (Near native), Persian/Farsi (Native), Modern Standard Arabic (working knowledge), Southern Tati (native)

### EDUCATION

#### Data Science Apprentice, Nashville Software School(2021-2022)

Data analysis, visualization, and generation through Python, R, SQL, NLP, and Machine Learning.

#### PhD in Linguistics, Purdue University, IN, USA (2014-2019)

Dissertation: A Syntactic Analysis of Motion Predicates in Southern Tati

#### Masters in Teaching English (TEFL), Kharzami University, Tehran, Iran (2010-2012)

### AWARDS

- Elahé Omidyar Mir-Djalali Postdoctoral Fellowship
- Linguistic Society of America fellowship
- Purdue certificate of excellence in research
- Purdue LYNN Awards for Outstanding PhD students