Mahmood Taghavi homepage at GitHub

I am a biostatistician with interests in statistics, epidemiology, data science, and computer science. You can find general information about me at my LinkedIn profile and view the list of my English scientific publications at my Scopus profile.
Hence, this page is dedicated to my open source projects (scientific projects and also assistive technologies that I developed in my spare time) which were written in R, Matlab, Python, and C# dot Net programming languages.

Scientific projects

- Ridit is a package for Ridit analysis in **R** statistical environment. It is also available from CRAN (The Comprehensive R Archive Network).
- d-stem-LUR is the data and **Matlab** codes repository for one of my papers entitled "Concurrent spatiotemporal daily land use regression modeling and missing data imputation of fine particulate matter using distributed space-time expectation maximization" which is appeared in the Atmospheric Environment journal.

Assistive technologies

- Dual Voice for NVDA is an open source software developed in **Python** programming language which adds support for multilingual speech to a famous screen reader software namely NVDA (screen readers are software which let blind and visually impaired users to interact with a computer).
- SAPI_Unifier is an open source software developed in **C# dot Net** to Unify installed Microsoft OneCore voices and Microsoft Speech Server voices with Microsoft Speech API version 5 (SAPI 5) in Windows. So visually impaired users can use and enjoy all of them as standard SAPI 5 voices.
- eSpeakPlus is a collection of espeak Text To Speech (TTS) engine for Windows, Mbrola speech synthesis library, some of Mbrola voices (ir1; de6; de7; en1; us1; us2; us3), and the NVDA defined voice variants including the famous "max". This suite supports Persian and other languages and has the standard SAPI 5 speech driver. It also contains **phonetic translation** files for two Mbrola diphone voices namely de6 and de7 which make enable espeak TTS to read Persian and English text using the aforementioned German voice.