JD+ on Github

ESTP Training

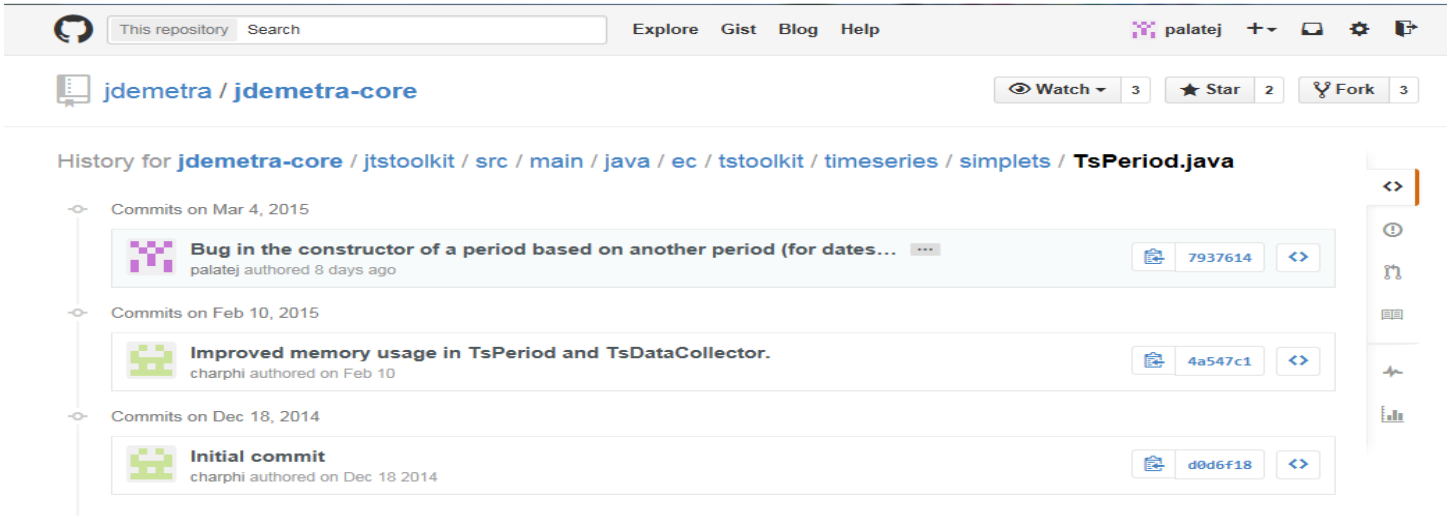
https://github.com/jdemetra/

GitHub **specifics**

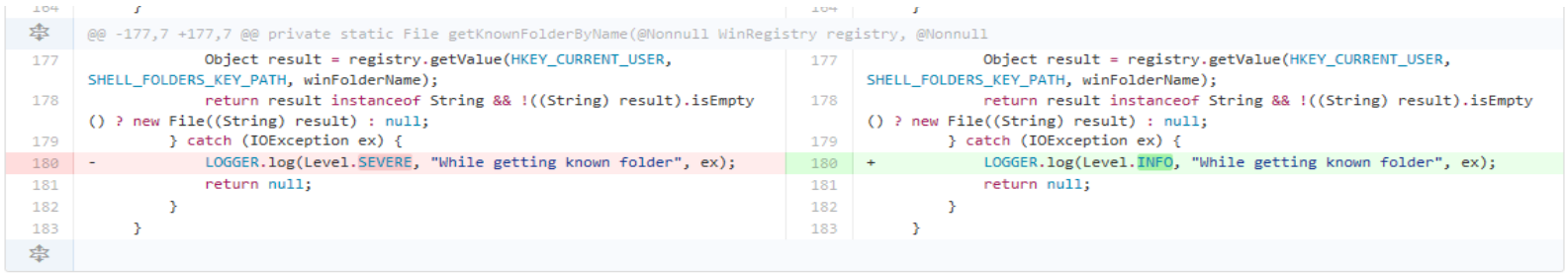
- **git** web-based hosting
- « Social coding »
- Issue tracking
- Pull request
- Wiki

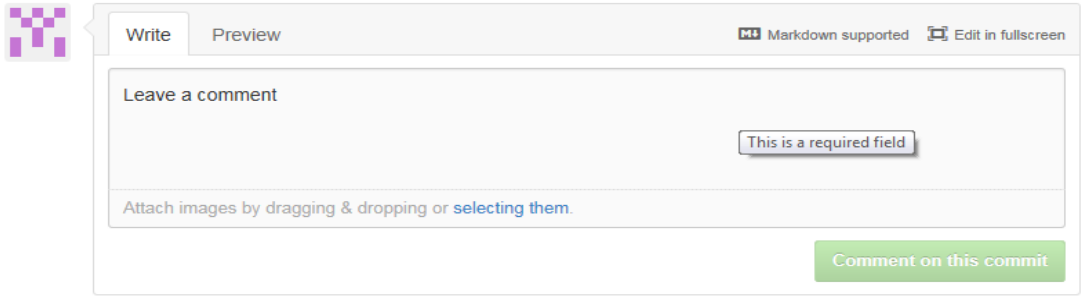
git web-based hosting

- **Git** is a distributed revision control system with an emphasis on speed, data integrity, and support for distributed, non-linear workflows. [Wikipedia]

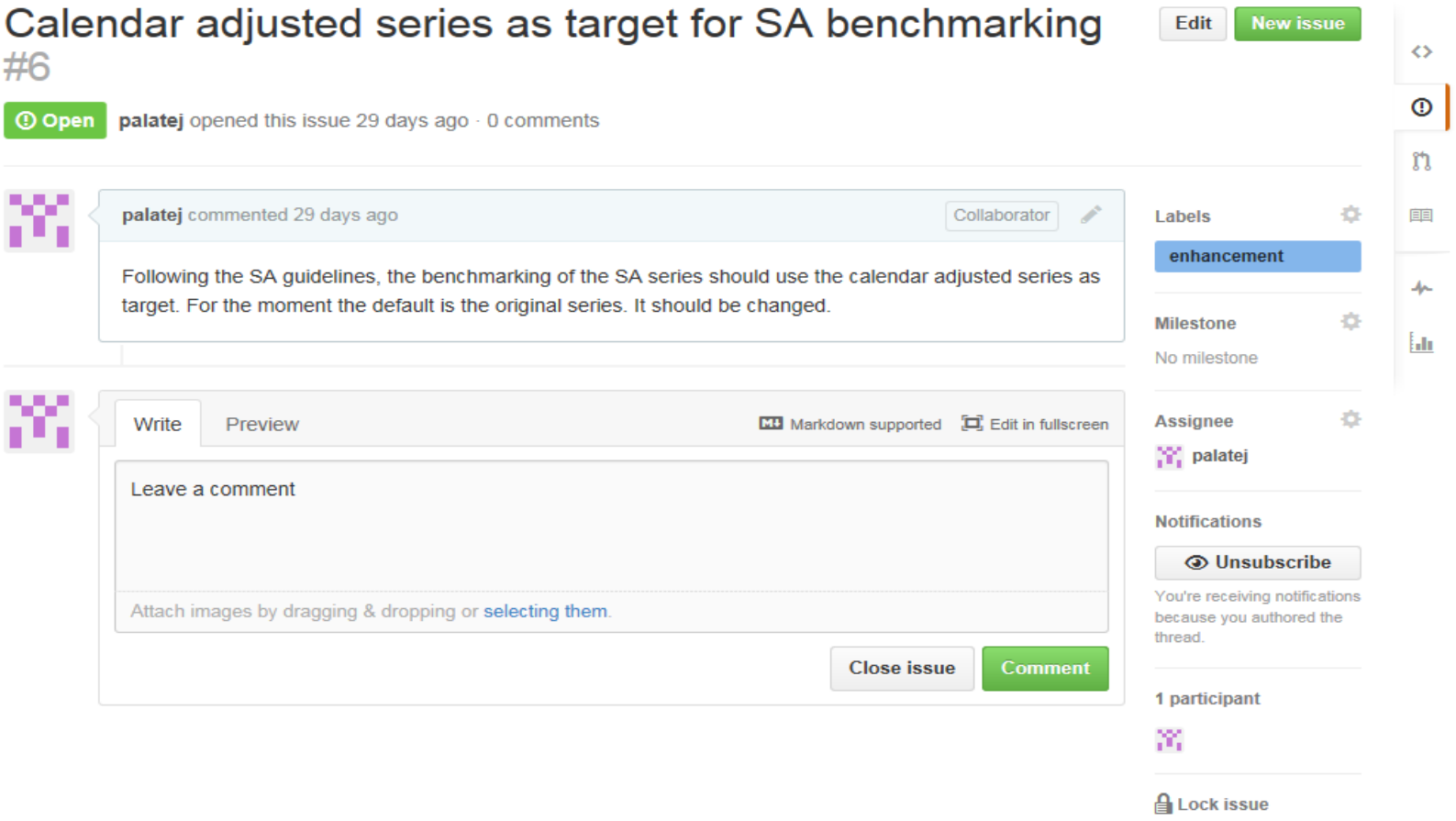


« Social coding »





Issue tracking

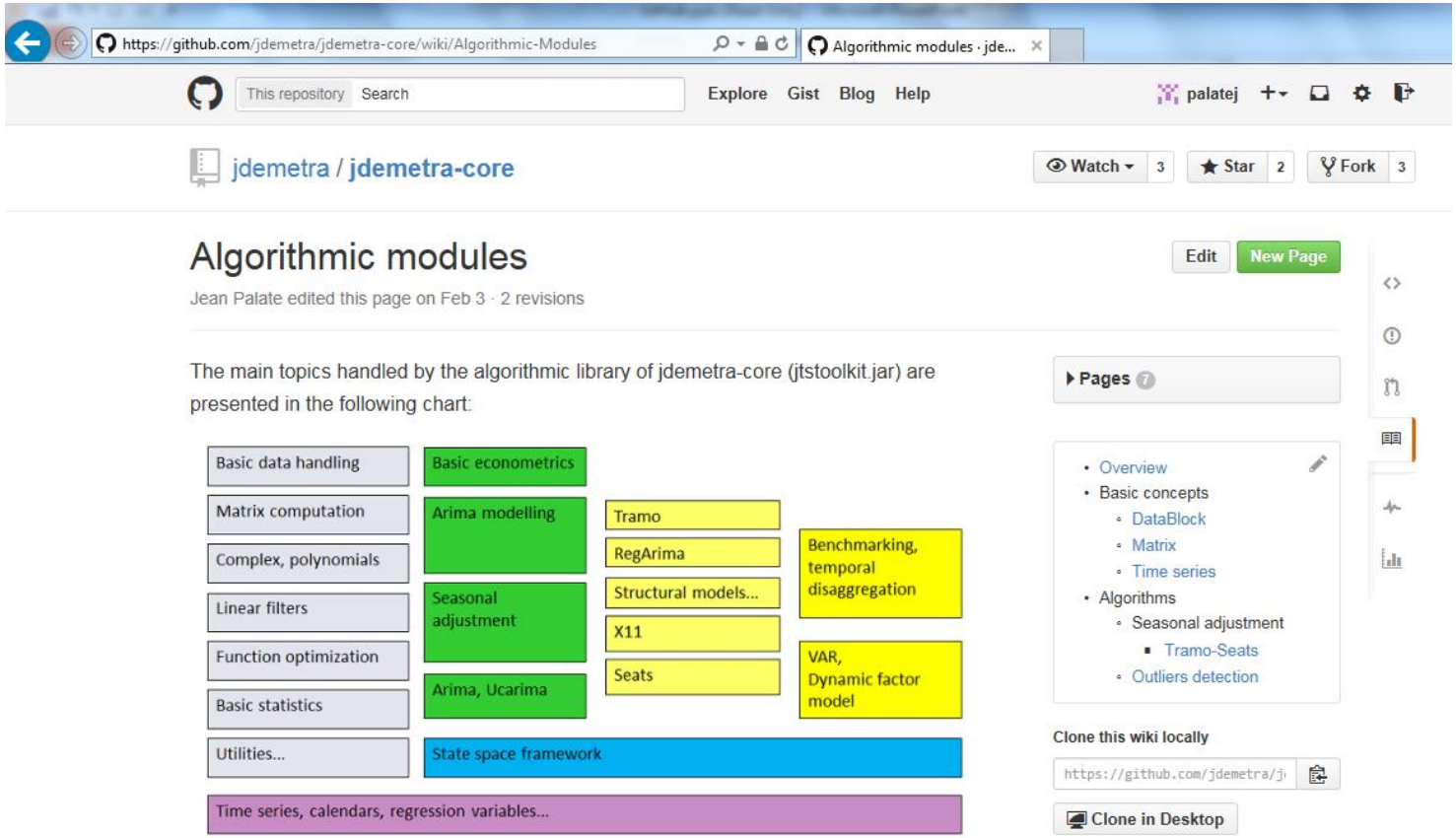


Pull request

- Main steps
  - Create the feature in a dedicated branch in a local repository
  - Push the branch to a public repository (on Github)
  - Create a pull request (on Github)
  - Review of the code, discussions, modifications bu the other developers
  - The project maintainer merges the feature into the official repository and closes the pull request.
- Remarks:
  - “Social control” (everything is public)
  - Final decision belongs to the owner of the project

Wiki

- Technical documentation on the use of the libraries



JDemetra resources on Github

- Java libraries (including GUI/Cruncher)
  - https://github.com/jdemetra
- R packages
  - https://github.com/rjdverse
- Training
  - https://github.com/palatej/estp2024

JDemetra+ resources on Github

- Additional plug-ins (NBB)
  - https://github.com/nbbrd/jdemetra-sa-advanced/releases/tag/v2.2.3
    - Temporal disaggregation / benchmarking (nbdemetra-benchmarking)
    - Structural time series (nbdemetra-sts)
    - …
  - https://github.com/nbbrd/jdemetra-dotstat/releases/tag/v2.2.5
    - Time series from SDMX Web services
  - …
    - Nowcasting by means of dynamic factor models

Final remarks

- Powerful tool
  - For distributed revision control
  - For collaborative development
- Designed for developers!
  - Complex tool (git)
  - Focus on code
- Wiki, issue tracking and follow up
  - You could (should) contribute.