

# JD+ on Github

**ESTP Training**



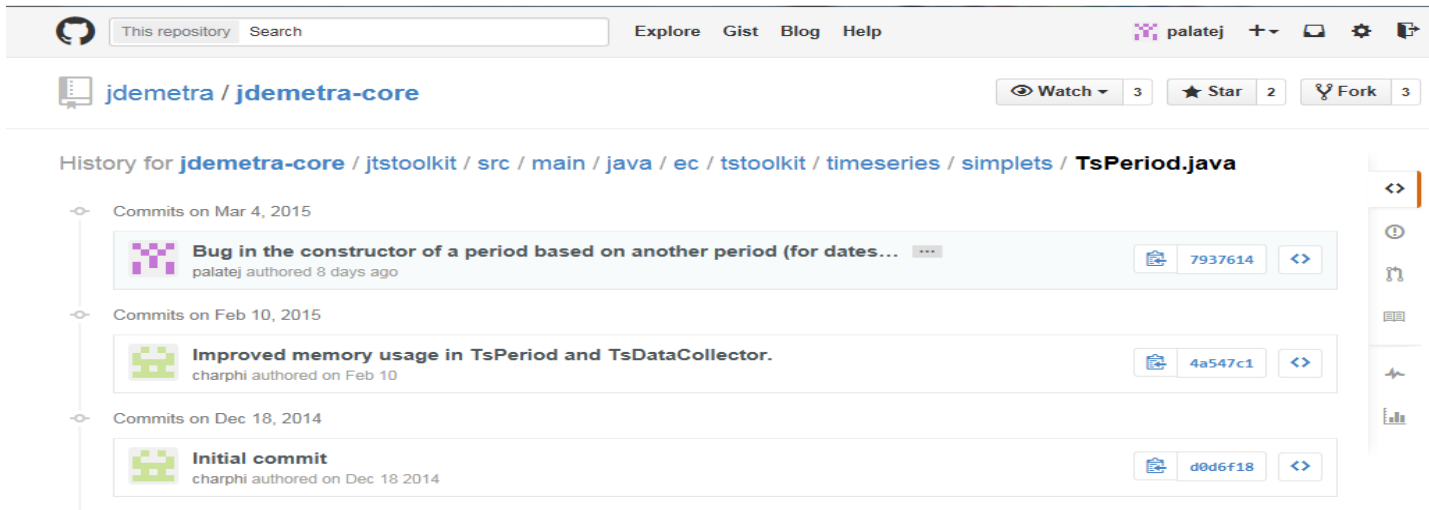
<https://github.com/jdemetra/>

# 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]



The screenshot shows the GitHub interface for the repository `jdemetra / jdemetra-core`. The repository has 3 watchers, 2 stars, and 3 forks. The commit history is displayed, showing three commits:

- Commits on Mar 4, 2015**
  - Bug in the constructor of a period based on another period (for dates...** by `palatej` 8 days ago. Commit hash: `7937614`.
- Commits on Feb 10, 2015**
  - Improved memory usage in TsPeriod and TsDataCollector.** by `charphi` on Feb 10. Commit hash: `4a547c1`.
- Commits on Dec 18, 2014**
  - Initial commit** by `charphi` on Dec 18 2014. Commit hash: `d0d6f18`.

# « Social coding »

## Watchers



Philippe Charles

📍 Belgium

Follow



Thomas Witthohn

🕒 Joined on May 28, 2012

Follow



Rytis Bagdziunas

🎓 Université catholique de Louv...

Follow



Martins Liberts

🏢 CSB

Follow

104	/	104	/
@@ -177,7 +177,7 @@ private static File getKnownFolderByName(@NonNull WinRegistry registry, @NonNull			
177     Object result = registry.getValue(HKEY_CURRENT_USER,		177     Object result = registry.getValue(HKEY_CURRENT_USER,	
SHELL_FOLDERS_KEY_PATH, winFolderName);		SHELL_FOLDERS_KEY_PATH, winFolderName);	
178     return result instanceof String && !((String) result).isEmpty		178     return result instanceof String && !((String) result).isEmpty	
() ? new File((String) result) : null;		() ? new File((String) result) : null;	
179     } catch (IOException ex) {		179     } catch (IOException ex) {	
180 -     LOGGER.log(Level.SEVERE, "While getting known folder", ex);		180 +     LOGGER.log(Level.INFO, "While getting known folder", ex);	
181     return null;		181     return null;	
182     }		182     }	
183     }		183     }	

Write Preview

Markdown supported Edit in fullscreen

Leave a comment


This is a required field

Attach images by dragging & dropping or selecting them.

Comment on this commit

# Issue tracking

## Calendar adjusted series as target for SA benchmarking #6

 **Open** palatej opened this issue 29 days ago · 0 comments



palatej commented 29 days ago

Collaborator

Following the SA guidelines, the benchmarking of the SA series should use the calendar adjusted series as target. For the moment the default is the original series. It should be changed.



Write

Preview

 Markdown supported  Edit in fullscreen

Leave a comment

Attach images by dragging & dropping or [selecting them](#).

Close issue

Comment

Edit

New issue



Labels



enhancement


Milestone




No milestone

Assignee



 palatej

Notifications

 Unsubscribe

You're receiving notifications because you authored the thread.

1 participant



 Lock issue

# 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 by 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

The screenshot shows the GitHub Wiki page for 'Algorithmic modules' in the 'jdemetra-core' repository. The page is titled 'Algorithmic modules' and was edited by Jean Palate on Feb 3, 2024. The main content area lists the main topics handled by the algorithmic library of jdemetra-core (jstoolkit.jar) in a grid of colored boxes:

- Basic data handling
- Matrix computation
- Complex, polynomials
- Linear filters
- Function optimization
- Basic statistics
- Utilities...
- Time series, calendars, regression variables...
- Basic econometrics
- Arima modelling
- Seasonal adjustment
- Arima, Ucarima
- State space framework
- Tramo
- RegArima
- X11
- Seats
- Benchmarking, temporal disaggregation
- VAR, Dynamic factor model

The right sidebar shows a list of pages:

- Overview
- Basic concepts
  - DataBlock
  - Matrix
  - Time series
- Algorithms
  - Seasonal adjustment
    - Tramo-Seats
  - Outliers detection

Below the list of pages, there are options to 'Clone this wiki locally' and 'Clone in Desktop'.



# 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/nbbird/jdemetra-sa-advanced/releases/tag/v2.2.3>
    - Temporal disaggregation / benchmarking (nbdemetra-benchmarking)
    - Structural time series (nbdemetra-sts)
    - ...
  - <https://github.com/nbbird/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.