Bridging Digital Humanities Internal and Open Source Software Projects through Reusable Building Blocks

Bridging Digital Humanities Internal and Open Source Software Projects through Reusable Building Blocks

Rebecca Sutton Koese • rebecca.skoese@princeton.edu • @suttonkoese
Benjamin W. Hicks • bhicks@princeton.edu • @bw_hicks
Center for Digital Humanities at Princeton • https://cdh.princeton.edu • @PrincetonDH

Why Write Reusable Code?
• Do one thing and do it well for maximum reusability
• Offers opportunities for synergy across projects with similar functionality
• Simpler to test and maintain
• Minimize or make explicit assumptions embedded in code that could impact research conclusions

Why Write Reusable Code?
• Do one thing and do it well for maximum reusability
• Offers opportunities for synergy across projects with similar functionality
• Simpler to test and maintain
• Minimize or make explicit assumptions embedded in code that could impact research conclusions

Focus new development on research-specific innovation.

Projects and Dependencies Development Activity Over One Year
Projects and Dependencies Development Activity Over One Year

Possible Future Packages
• Django Solve Indexable (created for PPA; expect to reuse)
• GeoNames code
• Database footnotes - generic footnoting across all database content; allows for conflicting evidence Bibliographic Description - Minimal Library catalog for projects that need descriptions of books
• Multi-author semantic blog component for editorial content
• Django website events and calendar
• Django unAPI for Zotero support (implemented in PPA)
• Reusable JavaScript components: search form submission, date histogram

Possible Future Packages
• Django Solve Indexable (created for PPA; expect to reuse)
• GeoNames code
• Database footnotes - generic footnoting across all database content; allows for conflicting evidence Bibliographic Description - Minimal Library catalog for projects that need descriptions of books
• Multi-author semantic blog component for editorial content
• Django website events and calendar
• Django unAPI for Zotero support (implemented in PPA)
• Reusable JavaScript components: search form submission, date histogram

Focus new development on research-specific innovation.

Supporting Citations