

Evolution of Blaise Survey development in Statistics Finland

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Background

- Change in development practices during the transition to Blaise5
- New data collection management system set new requirements
- Version control system

Old Ways of Blaise Survey Development

- Personified ways of survey development
 - No unified survey source code structure
 - Independent ways of work and developer dependant resource databases
- No simultaneous work on survey source code

Towards new practices

- New working habits
- New survey environment and system changes
- Using standardized parts across all the surveys

Standardized Practices

- One resource database file that is used and developed
- Standardized .blax file with section for survey-specific settings
- Hierarchical survey structure – dividing survey to sections and usage of parameters

Version Control

- Centralized location for survey source code
- Tracking changes in source code, survey release version history and corresponding unique survey id
- Simultaneous access to different release and develop versions

Version Control

Tag	Commit	Tagger	Creation Date
1.0.1	1.0.1 / r6mzrl7ote2zx70oixqp6w	Pyry Keinonen	11. lokak. 2019
1.1.0	nabzbiw2t0ktn9tqzueog	Joonas Salmi	1. marrask. 2019
1.1.1	Versio 1.1.1 / fw6ftydy5eocqyxkghhfa	Pyry Keinonen	19. marrask. 2019
1.1.2	1.1.2 / qyifsojiekfylv6ellq	Pyry Keinonen	10. jouluk. 2019
2.0.5	wody1xn94ugh23vvd58sbg	Pyry Keinonen	4. helmik.
2.0.6	xyiwblv8quytj4ajck9zvw	Joonas Salmi	19. maalisk.

Example of tags (release versions) in version control

Branch	Commit	Author	Authored ...	Behind Ahead	Status	Pull Requ...
atl	4e91267b	Joo...	16. joulu...	2 30		
develop_iess	a109708d	Pirjo...	2h ago	0 338		
master	f4315131	Joo...	29. tam...			★

Example of branches used in version control

Agile Practices 1/2

- Survey development done in sprints
 - Planning – execution – sprint review
- Survey development is transparent throughout the organisation
- Conserves developer resources and minimizes stress

Agile Practices 2/2

- First survey project at the end of 2019, beginning of 2020 all survey projects utilize agile methods
- New way to work for everyone
- So far, the feedback has been positive



Thank you!

Please feel free to send questions by email:
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