

Quality Aspects in Health Information Systems, Patterns of Relation

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Research Context:

FI-STAR Project

- An EU-FP7 project, part of FI-PPP
- 7(=8-1) e-health applications
- Trials for Future Internet (FI) technologies
- 87 patients, 30 health professionals
- Evaluation aspects (what to evaluate) need to be common among use-cases



Research Context: Quality Aspects through the UVON method

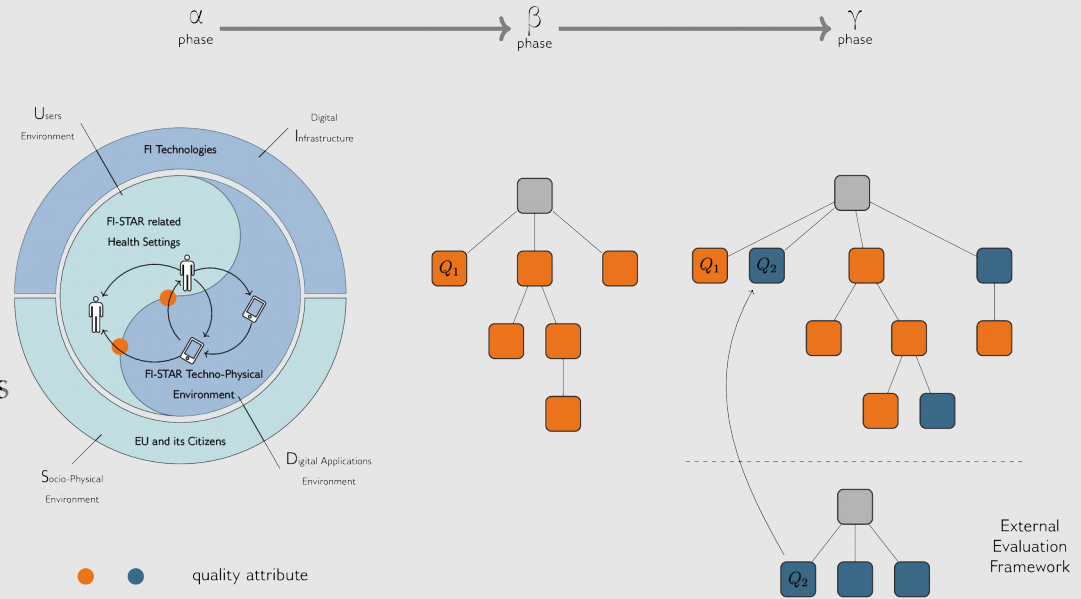
- Through the ontology created by UVON:

- ~400 quality attributes from the 7 Cases
- + MAST framework evaluation aspects
- => summarized in 23 ● ● evaluation/quality aspects

- 23 quality aspects => 2 Questionnaires

- 1st: for the patients (3 general + 7 multi-questions)
- 2nd: for the professionals (3 general + 9 multi-questions)
- Translated

- Delivered after trial of those 7 eHealth apps in FI-STAR



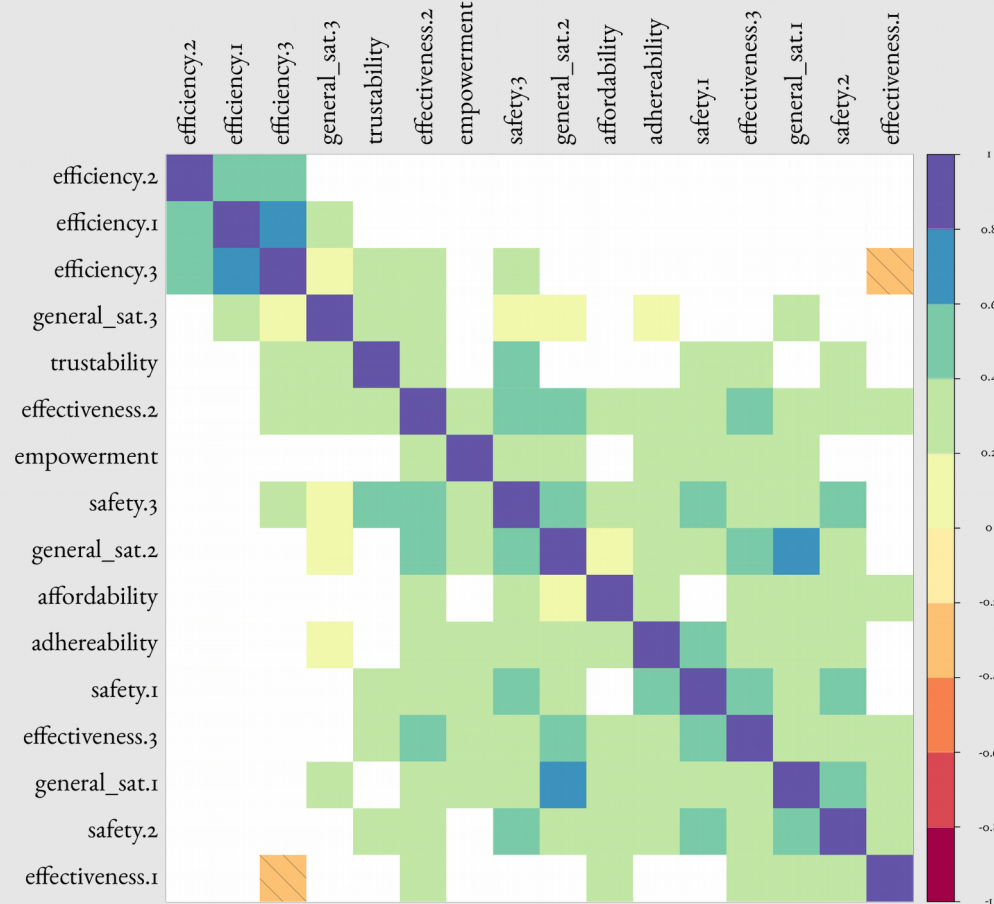
The UVON method

Results:

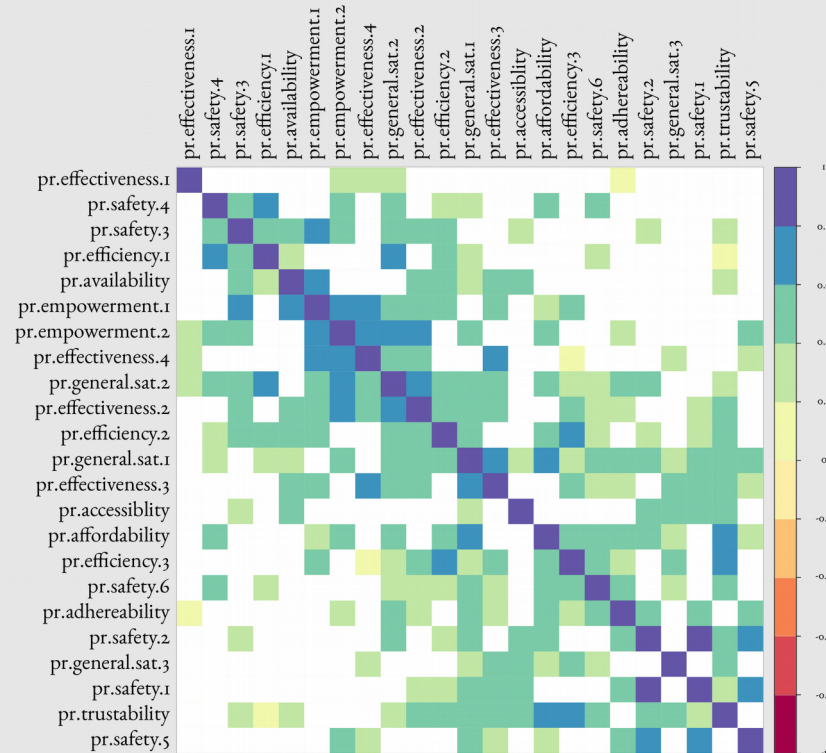
Questionnaires' Results

- 87 patients evaluated 16 aspects
 - Relevancy indicator: unanswered=4.8% of the $87*16$
- 30 professionals evaluated 23 aspects
 - Relevancy indicator: unanswered=4.8% of the $30*23$
- We are interested in correlation patterns between quality aspects

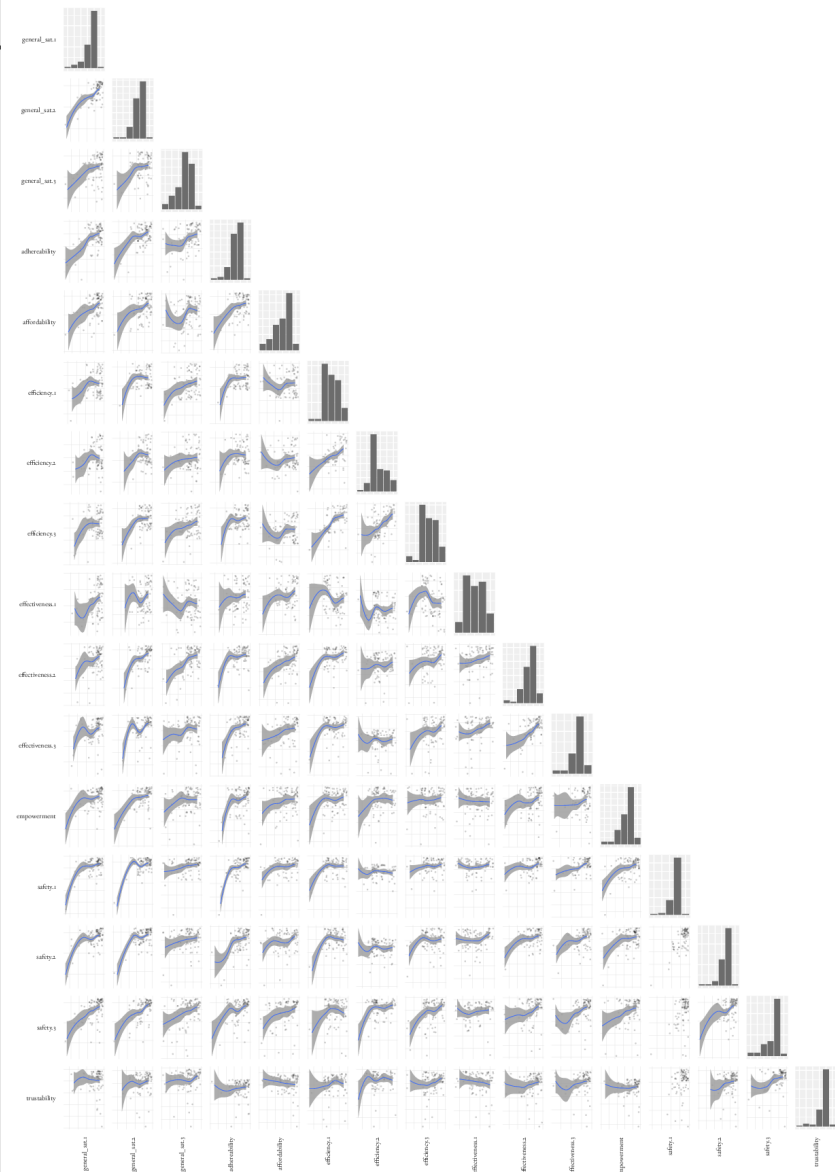
Results: From the Patients



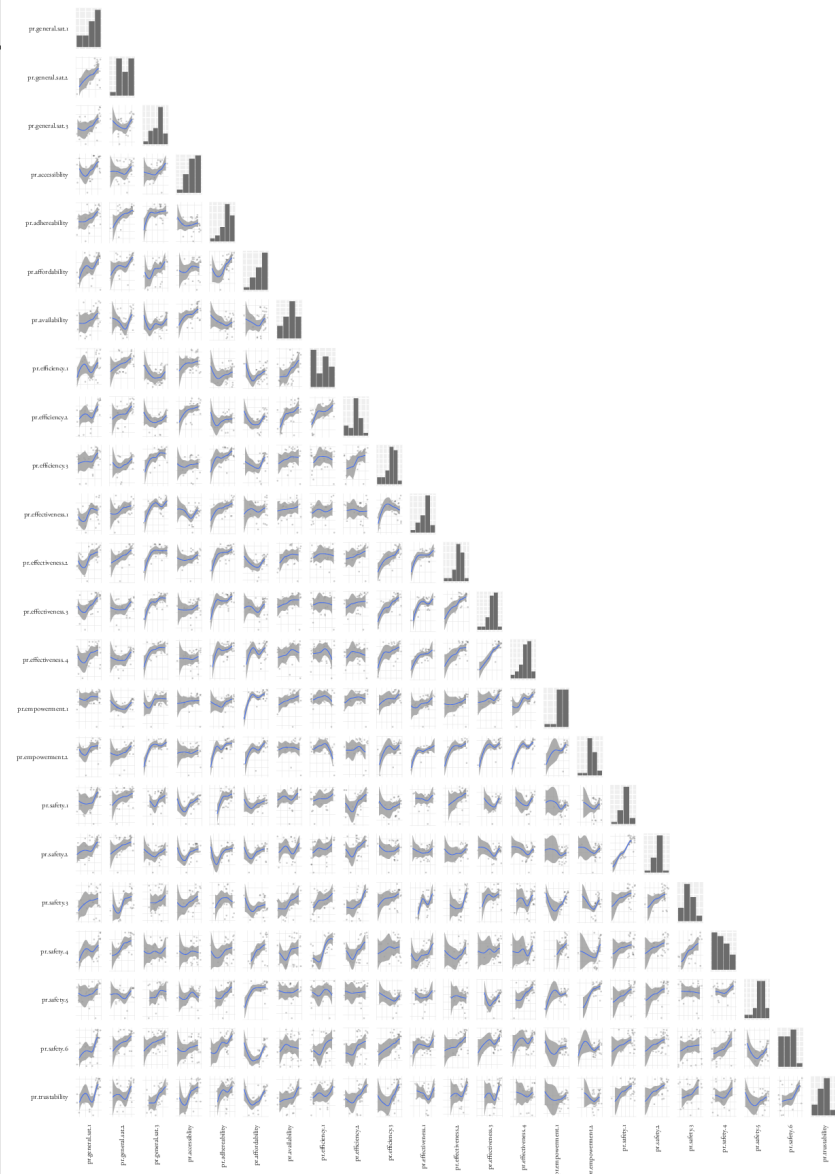
Results: From the Professionals



Results: From the Patients



Results: From the Professionals



Thanks!
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