



THE IMPACT OF PERSONALITY ON REQUIREMENTS ENGINEERING (RE)

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At a glance



Goal

Obtain an in-depth understanding of how personalities influence requirements engineering (RE) activities.



Strategies

- Get 50 software practitioners involved in RE to complete the IPIP-NEO 120 personality test.
- Develop personality profiles.
- Follow up with a subset of practitioners with in-depth interviews.
- Use a mixed-method approach for the data analysis (descriptive statistics and socio-technical grounded theory).

Key outcomes



Insights into diverse personality traits in RE

Participants got higher scores in agreeableness, conscientiousness characteristics and openness to experience than extraversion and neuroticism characteristics.



Impacts of diverse personalities in RE

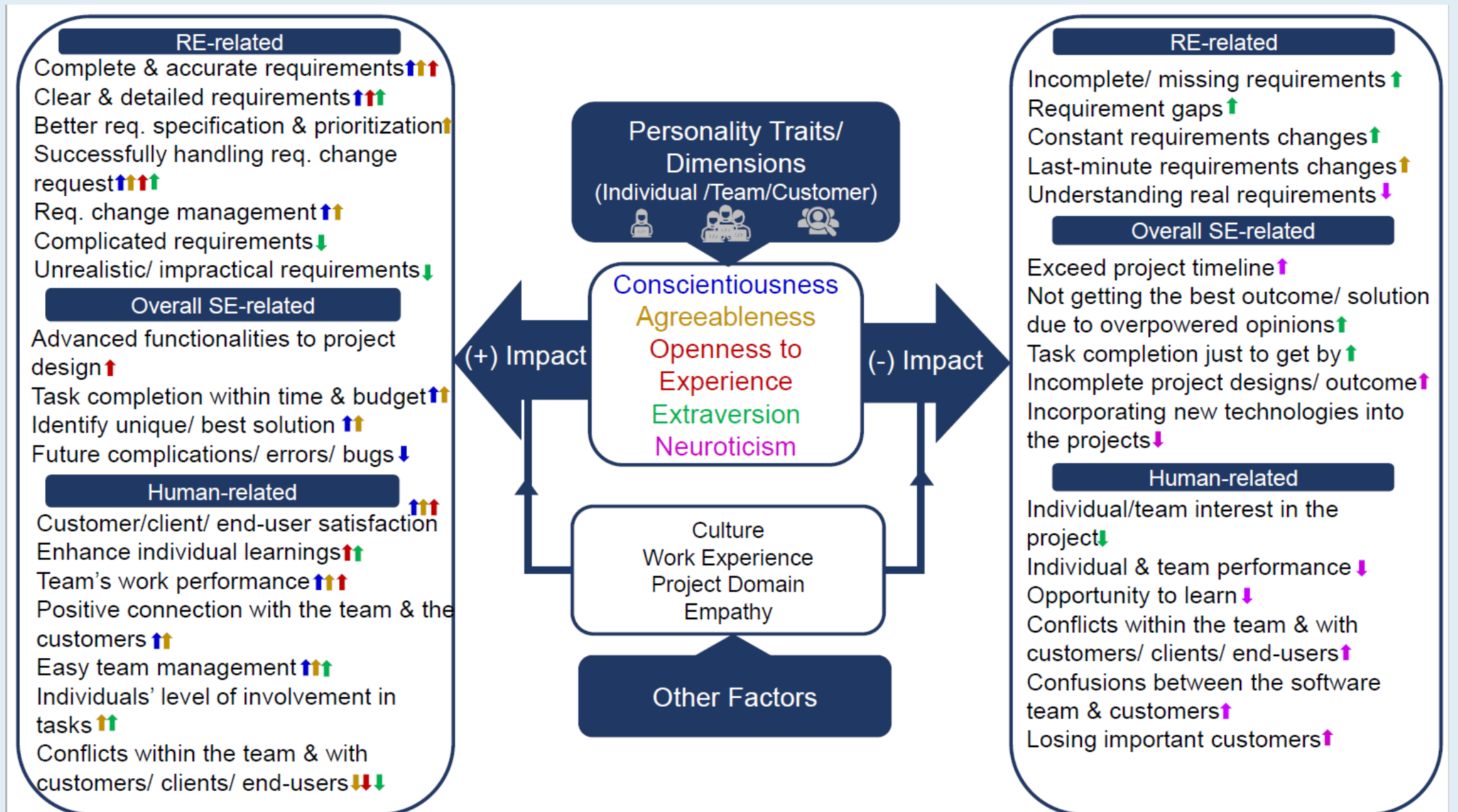
Personalities can enhance RE by leading to complete and accurate requirements or create challenges by causing constant changes.



7 strategies to overcome challenges

We identified seven strategies to help minimise challenges uncovered such as changing task allocations.

The impact of personality on RE activities



The identified impacts are categorised into 'RE-related', 'Overall SE-related' and 'Human-related'. The direction of the arrows indicates whether impact is increasing (↑) or decreasing (↓) and the colours of each arrow indicates the respective personality trait that causes the impact.

Learn more

To discover more about this project, contact [Dulaji Hidellaarachchi](mailto:Dulaji.Hidellaarachchi@monash.edu) or scan the QR code.



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