

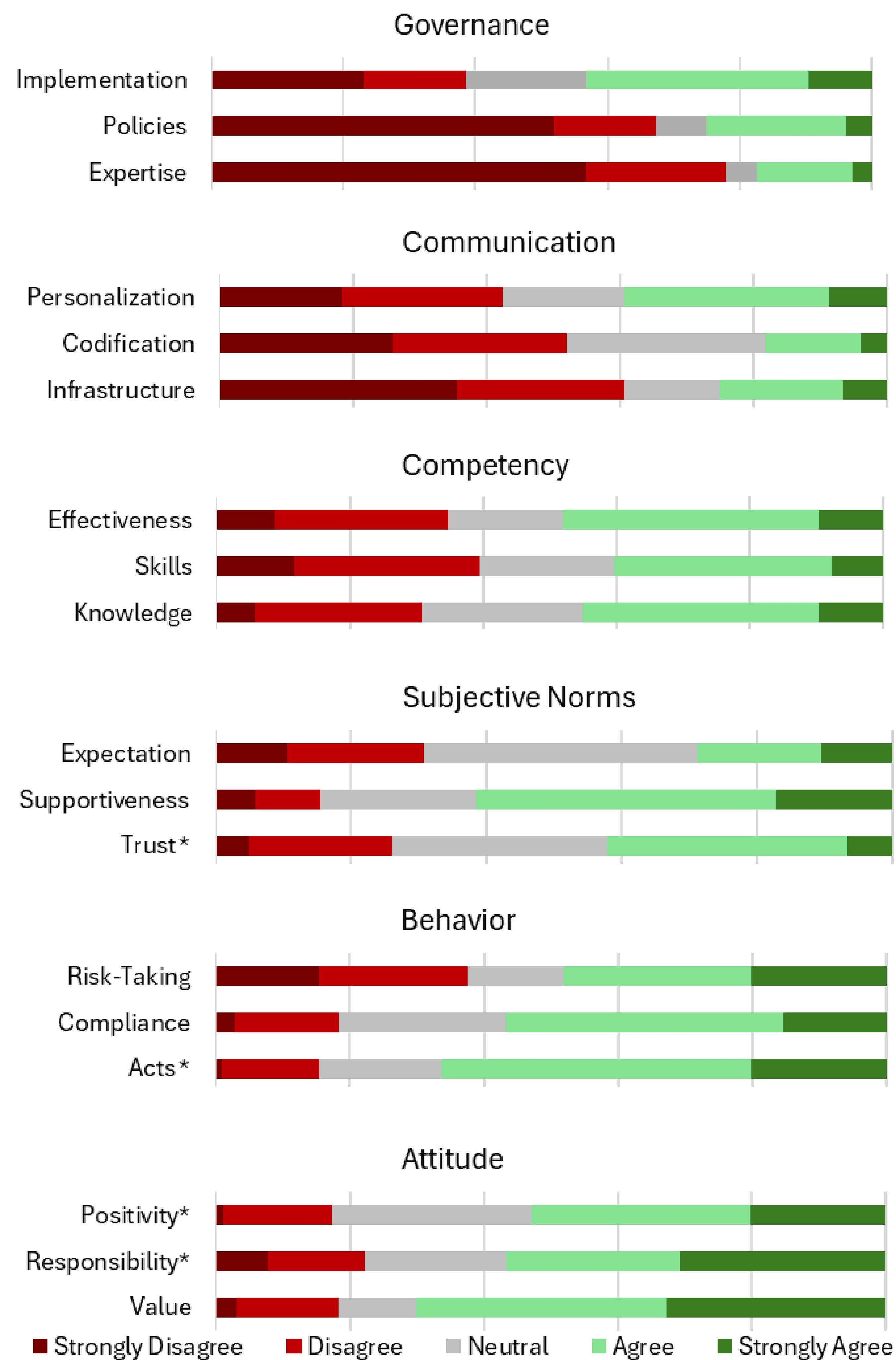
Characterizing the Security Culture of the RSE Community

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RSE Results



- RSE dimension results in ascending order, indicating:
- A lack of institutional support and communication methods for security
 - Positive behaviors despite mixed skills/expertise
 - Positive attitudes despite neutral community expectations and support

RSE vs Open-Source Security Culture



Despite similar attitudes towards security, OS is more positive in almost all other dimensions; perhaps techniques could be translated from OS to RS?

Ideas for Improvement

- Adopt a community-responsibility mindset, similar to OSS
 - Behaviors
 - Policies
 - Procedures
- Identify and Promote Interactions between stakeholders
 - *Security Researchers*
 - *Software Engineering Researchers*
 - *Research Funders*
 - *Research Software Engineers*
 - *Domain Experts and PIs*
- **Ongoing:**
 - Promote RSE security awareness, leading to security champions
 - Security Workshops for RSEs
 - Promote RSE cause with external researchers
 - Publish findings in wider SE / security venues

HELP WANTED

- Have thoughts that could explain our findings?
- What do you think the RSE community should be doing to improve?
- What could external stakeholders do to help?
- Have an idea for our next step that would best help you?

Leave us a note!

Interviews also available

Contact maarmstrong3@crimson.ua.edu for more info



Any writing or attached feedback to this poster will be used in on-going research, as approved by the University of Alabama IRB. By writing or attaching feedback, you consent to our use of the feedback in our study. If you have any questions, please contact Matthew Armstrong (maarmstrong3@crimson.ua.edu) for more information.