Revealing the Secret to Successful Virtual Meetings: How Personality Traits Impact Conversational Involvement in a Group

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1. Introduction

- Important to understand dynamics of virtual meetings to achieve productive meetings.
- Personality influences how people interact with each other as it influences their perception and behaviour and thus can influence (social) engagement [1].

2. Research Questions

- **Does the personality of participants influence how involved they are in a conversation?**
- What are the main personality traits that could influence the level of involvement in a conversation?
- How does the composition of homogeneous or heterogeneous personality combinations influence conversational involvement in a group?
  → Homogeneous groups have different conversational styles [2]
- How does the level of extroversion in a group relate to the level of involvement in a conversation?
  → Extraverts tend to be more talkative [3, 4]

3. Research Method

Definition of group involvement:
"The perceived degree of interest or involvement of the majority of the group." [5, p. 490]

Definition of involvement:
"The process by which interactors start, maintain, and end their perceived connections to each other during an interaction." [6, p. 123]
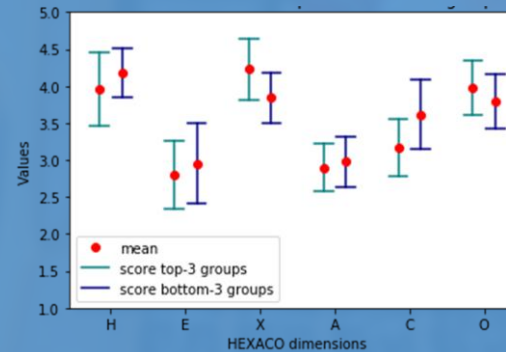

1	2	3	4	5
very low	low	moderate	high	very high

4. Results

Figure 1 – HEXACO scores for the top-3 and bottom-3 groups ranked on conversational involvement (frequency percentage of the score 5).

Figure 2 – distribution of involvement scores for top-3 and bottom-3 groups ranked on similarity.

Figure 3 – distribution of involvement scores for top-3 and bottom-3 groups ranked on extroversion (X).

5. Conclusion

- The level of Conscientiousness (C) and extroversion (X) showed the most promising results, which could be further explored.

6. Limitations

- Limited annotation groups.
- Limited to COVID-19 related topics.
- Limited to non-diverse personality groups.

7. References

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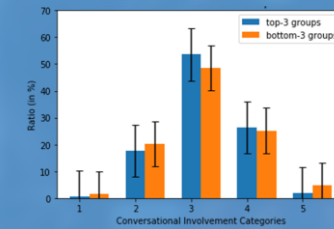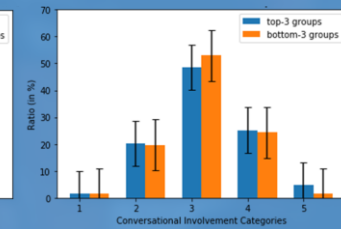
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