

Academic Report on Personality Detection

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I. INTRODUCTION

Big-Five Model: It divides a person’s personality into five dimensions: openness, conscientiousness, extroversion, agreeableness and neuroticism. Each dimension has a score indicating the degree of that dimension in the individual. The Big-Five model believes that these five dimensions can cover the main aspects of personality and are universal across cultures. As the most widely used model in the study of personality traits, the Big-Five model is the core theory of personality traits and has far-reaching influence in personality psychology, industrial and organizational psychology and other disciplines

II. RECENT ADVANCES IN AUTOMATIC PERSONALITY DETECTION

A. Attentive Neural Networks

Personality Recognition on Monologues and Multiparty Dialogues Using Attentive Networks: Previous studies on automatic personality recognition have focused on using traditional classification models with linguistic features. However, the attention neural network with context embedding can play a greater role in it, but this aspect has not been deeply explored at present.

- Personalization Recommendation System: Providing personalized recommendations based on users’ interests, preferences and needs.
- Emotion Analysis: This kind of technology can be used in teaching, gaming or driving, etc.



Fig. 1. yuuki

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REFERENCES

[1] Yang, Tao and Deng, Jinghao and Quan, Xiaojun and Wang, Qifan, “Orders are unwanted: dynamic deep graph convolutional network for personality detection,” Proceedings of the AAAI Conference on Artificial Intelligence, vol. 37, pp. 13896–13904, 2023.

[2] Lynn, Veronica and Balasubramanian, Niranjana and Schwartz, “ierarchical modeling for user personality prediction: The role of message-level attention,” Proceedings of the 58th annual meeting of the association for computational linguistics, pp.5306–5316,2020.

$$\lim_{x \rightarrow \infty} \frac{\sqrt{e^x}}{\int_{\alpha}^{\beta} a^{10} da} = \infty \tag{1}$$