Academic Report on Personality Detection

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1 INTRODUCTION AND BACKGROUND OF AUTOMATIC PERSONALITY DETECTION

1) 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 personal- ity psychology, industrial and organizational psychology and other disciplines

2 RECENT ADVANCES IN AUTOMATIC PERSONALITY DETECTION

2.1 Attentive Neural Networks

1) 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.

2.2 The Guidance of Psychology

1) Psychological Questionnaire enhanced Network: Personality is a concept of psychology, and the study of personality is an important foundation of psychology. The traditional method of personality testing is to ask the subject to answer a questionnaire carefully designed by psychologists to judge the personality traits of people. In recent years, the research direction of predicting personality traits based on online posts on social media has gained great interest. Most research methods employ deep earning models or pre-trained language models and rely on the models to extract potential personality clues from the text pieced together from posts, which is a process completely devoid of any psychological knowledge. To some extent, this design limits the performance of the model.

2.3 Mathematics

$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n} = \frac{1}{n}\sum_{i}^{n} X_i$$

Figure 1: latex.

Item	Quantity
Widgets	42
Gadgets	13

Table 1: An table.

References

References

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