Supplementary Table 5. Large language model prompt for estimating BFI neuroticism scores from diary texts

Translated prompt (English)	The BFI (Big Five Inventory) is a tool for assessing personality and measures five main dimensions: extroversion, agreeableness, conscientiousness, neuroticism, and openness to experience. The BFI neuroticism score in the source data starts at 0, and the maximum value is not defined. Neuroticism indicates how vulnerable an individual is to stress, anxiety, and negative emotions, with higher scores reflecting greater emotional instability and negative emotional experiences. Convert the BFI neurological raw score from the source data to a scale of 1–5. The transformation criteria are based on the entire source data distribution: - The lowest 20% is worth 1 point, - Values between 20% and 40% are worth 2 points, - Values between 40% and 60% are worth 3 points, - Values between 60% and 80% are worth 4 points, - The top 20% of values are worth 5 points. Use the emotion diary below to estimate this person's BFI neuroticism score. The score should be an integer between 1 and 5. Never write additional descriptions; only output the score. Sentiment Diary: {info['Text']} Output the prediction results in the following JSON format: {{ "BFI_ neurotic": (integers from 1 to 5) }}