The Big Five Inventory -10 (BFI-10)

The Big Five Inventory-10 (BFI-10) is a short form of the Big Five Inventory (BFI), which assesses an individual's personality across five dimensions: Openness, Conscientiousness, Extraversion, Agreeableness, and Neuroticism. Each dimension is measured using two items, resulting in a total of 10 items. Here's how to calculate personality scores based on the BFI-10:

Steps to Calculate BFI-10 scores:

1. **Administer the BFI-10 Questionnaire:** Each item in the BFI-10 is a statement, and respondents rate their agreement on a Likert scale from 1 to 5:
     o   1 = Strongly disagree
     o   2 = Disagree
     o   3 = Neither agree nor disagree
     o   4 = Agree
     o   5 = Strongly agree
2. **Score the Items:** Some items are reverse-scored. The items for each dimension and their scoring (including reverse scoring where necessary) are as follows:
     o   **Extraversion:**
         ▪   Item 1 (Extraversion, E1): "I see myself as someone who is reserved."
         ▪   Item 6 (Extraversion, E2): "I see myself as someone who is outgoing, sociable." (reverse scored)
     o   **Agreeableness:**
         ▪   Item 2 (Agreeableness, A1): "I see myself as someone who is generally trusting."
         ▪   Item 7 (Agreeableness, A2): "I see myself as someone who tends to find fault with others." (reverse scored)
     o   **Conscientiousness:**
         ▪   Item 3 (Conscientiousness, C1): "I see myself as someone who tends to be lazy." (reverse scored)
         ▪   Item 8 (Conscientiousness, C2): "I see myself as someone who does a thorough job."
     o   **Neuroticism:**
         ▪   Item 4 (Neuroticism, N1): "I see myself as someone who is relaxed, handles stress well." (reverse scored)
         ▪   Item 9 (Neuroticism, N2): "I see myself as someone who gets nervous easily."
     o   **Openness:**
         ▪   Item 5 (Openness, O1): "I see myself as someone who has few artistic interests." (reverse scored)
         ▪   Item 10 (Openness, O2): "I see myself as someone who has an active imagination."
3. **Reverse Score the Necessary Items:** Subtract the response from 6 for reverse scoring. For example, if a respondent rates a reverse-scored item as 2, the reverse score would be $6-2=4$
4. **Calculate the Dimension Scores:** Sum the scores for the two items in each dimension.
     o   **Extraversion:** E=Score of E1+(6−Score of E2)
     o   **Agreeableness:** A=Score of A1+(6−Score of A2)
     o   **Conscientiousness:** C=(6−Score of C1)+Score of C2
     o   **Neuroticism:** N=(6−Score of N1)+Score of N2
     o   **Openness:** O=(6−Score of O1)+Score of O2
5. **Interpret the Scores:** Each dimension score will range from 2 to 10, with higher scores indicating a stronger presence of that trait.

Example Calculation

Suppose a respondent gives the following ratings:

1. Extraversion (E1): 2
2. Agreeableness (A1): 4
3. Conscientiousness (C1): 3
4. Neuroticism (N1): 5
5. Openness (O1): 1
6. Extraversion (E2): 4
7. Agreeableness (A2): 2
8. Conscientiousness (C2): 5
9. Neuroticism (N2): 3
10. Openness (O2): 5

- Extraversion: $E=(6-2)+4=4+4=8$
- Agreeableness: $A=4+(6-2)=4+4=8$
- Conscientiousness: $C=(6-3)+5=3+5=8$
- Neuroticism: $N=(6-5)+3=1+3=4$
- Openness: $O=(6-1)+5=5+5=10$

Interpreting the Scores:

Each dimension score ranges from 2 to 10. Higher scores indicate a stronger presence of that trait. In this example:

- Extraversion: 8 (High)
- Agreeableness: 8 (High)
- Conscientiousness: 8 (High)
- Neuroticism: 4 (Moderate)
- Openness: 10 (Very High)

This profile suggests that the individual is highly extraverted, agreeable, conscientious, very open to new experiences, and moderately neurotic**.**