# Data Quality Summary

For Emotional States Prediction Projects

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## Data Quality Summary

I went through the box plots of 208 features and detected following columns are suspicious

## (1) Affect Valuation Index (AVI) (16 features)

The problem could be, in ROO experiment, we are using average value, but in DND experiment, we are using sum.

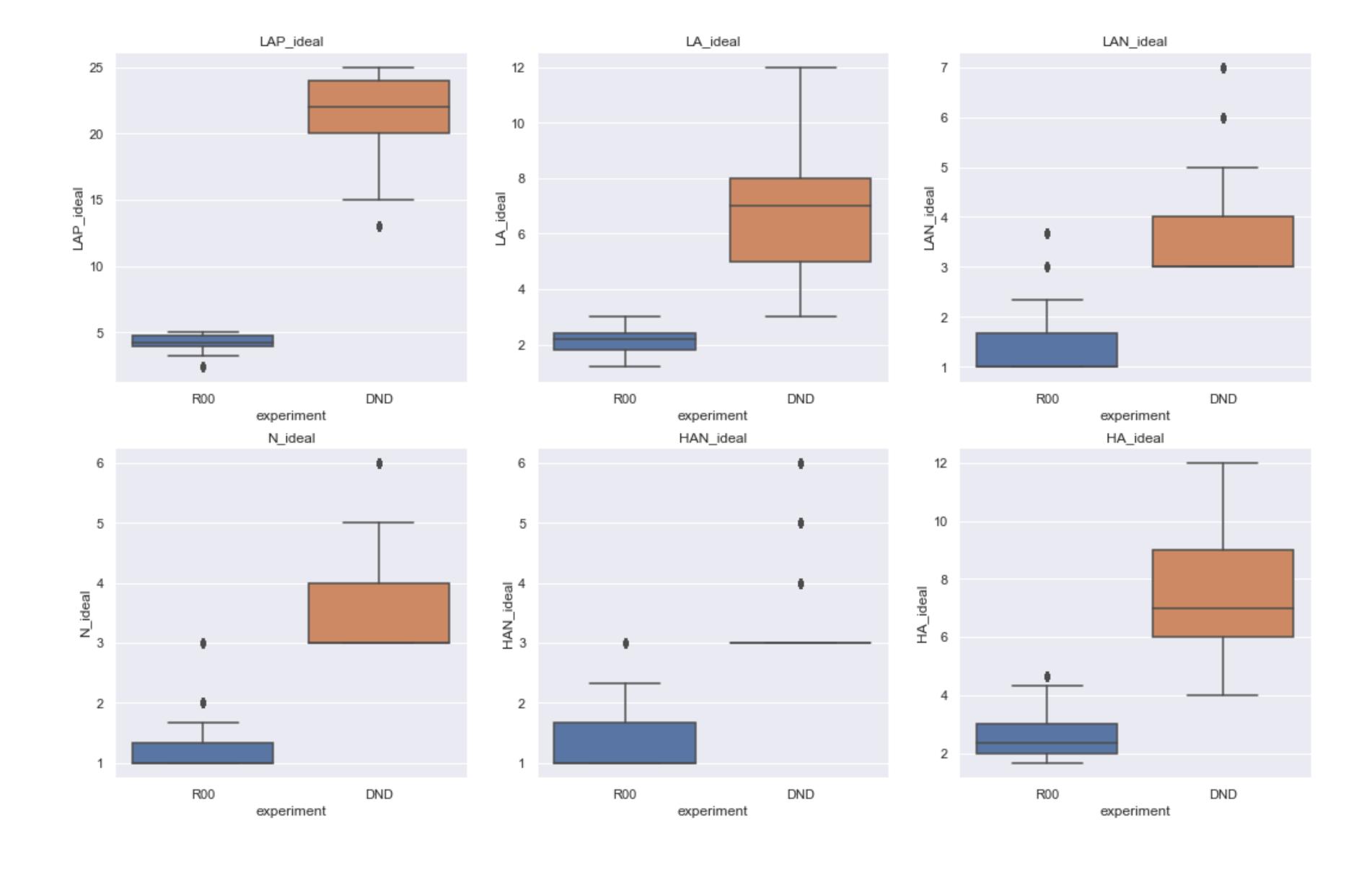
### (2) Personality Measurement (5 features)

- 1.Neuroticism: Scale not aligned
- 2. Extraversion: Scale not aligned
- 3. Conscientiousness: Scale not aligned
- 4. Agreeableness: Completely missing in DND
- 5. Openness: Completely missing in DND

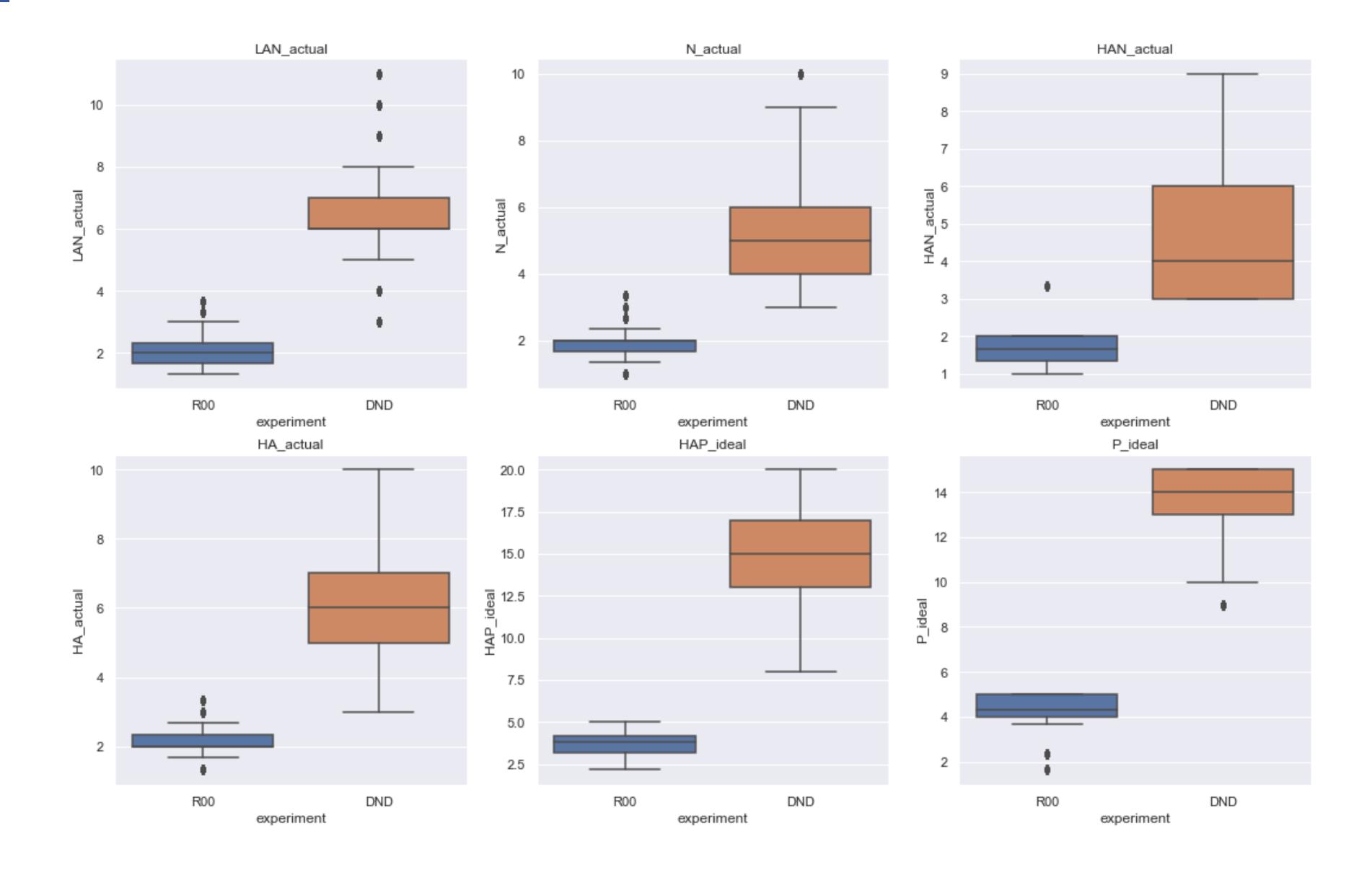
#### (3) Others (6 features)

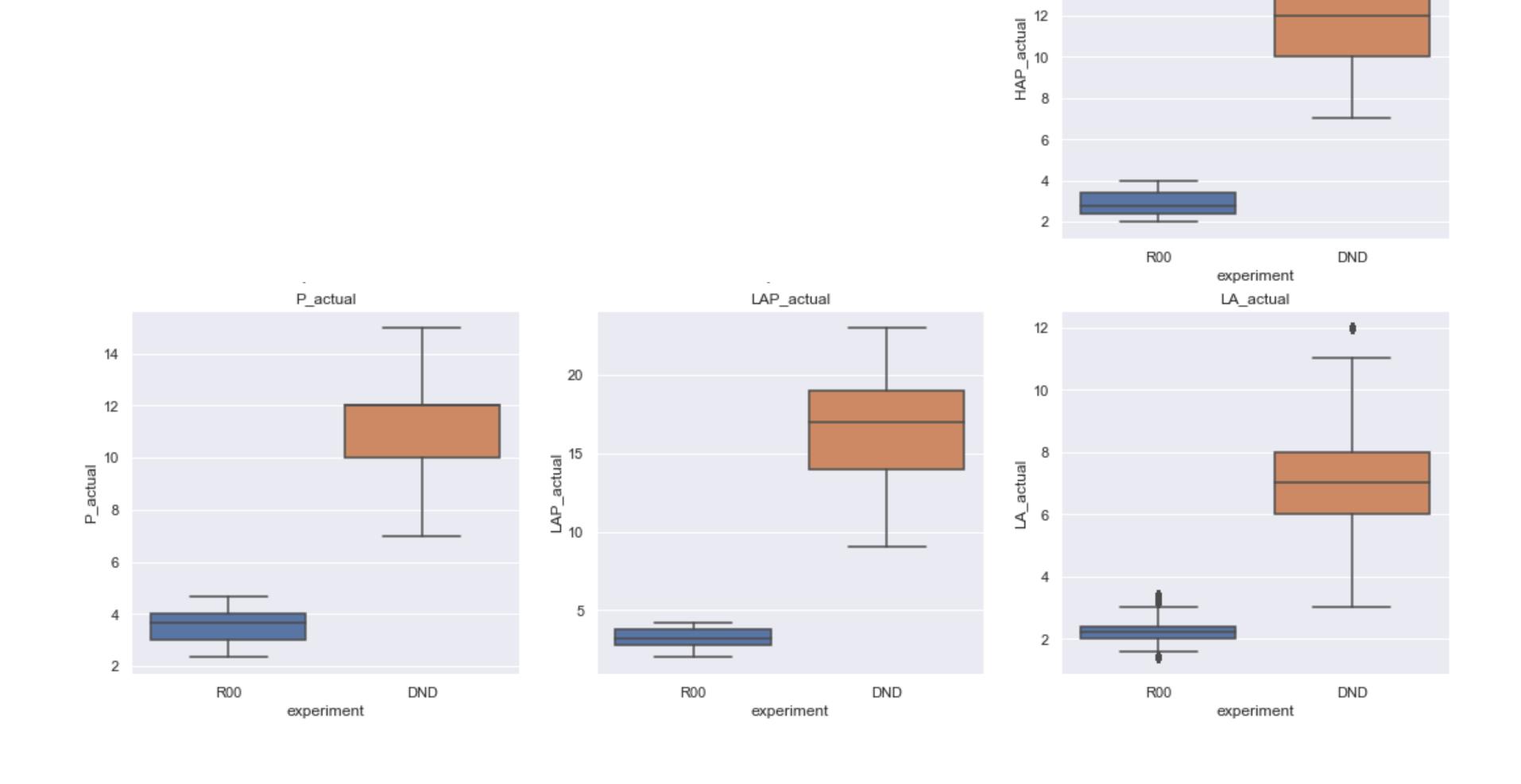
- 1. SBQ
- 2. FTP
- 3. NS\_total
- 4. BIS.5
- 5. BAS\_D
- 6. BAS\_RR,

1.AVI - Part1



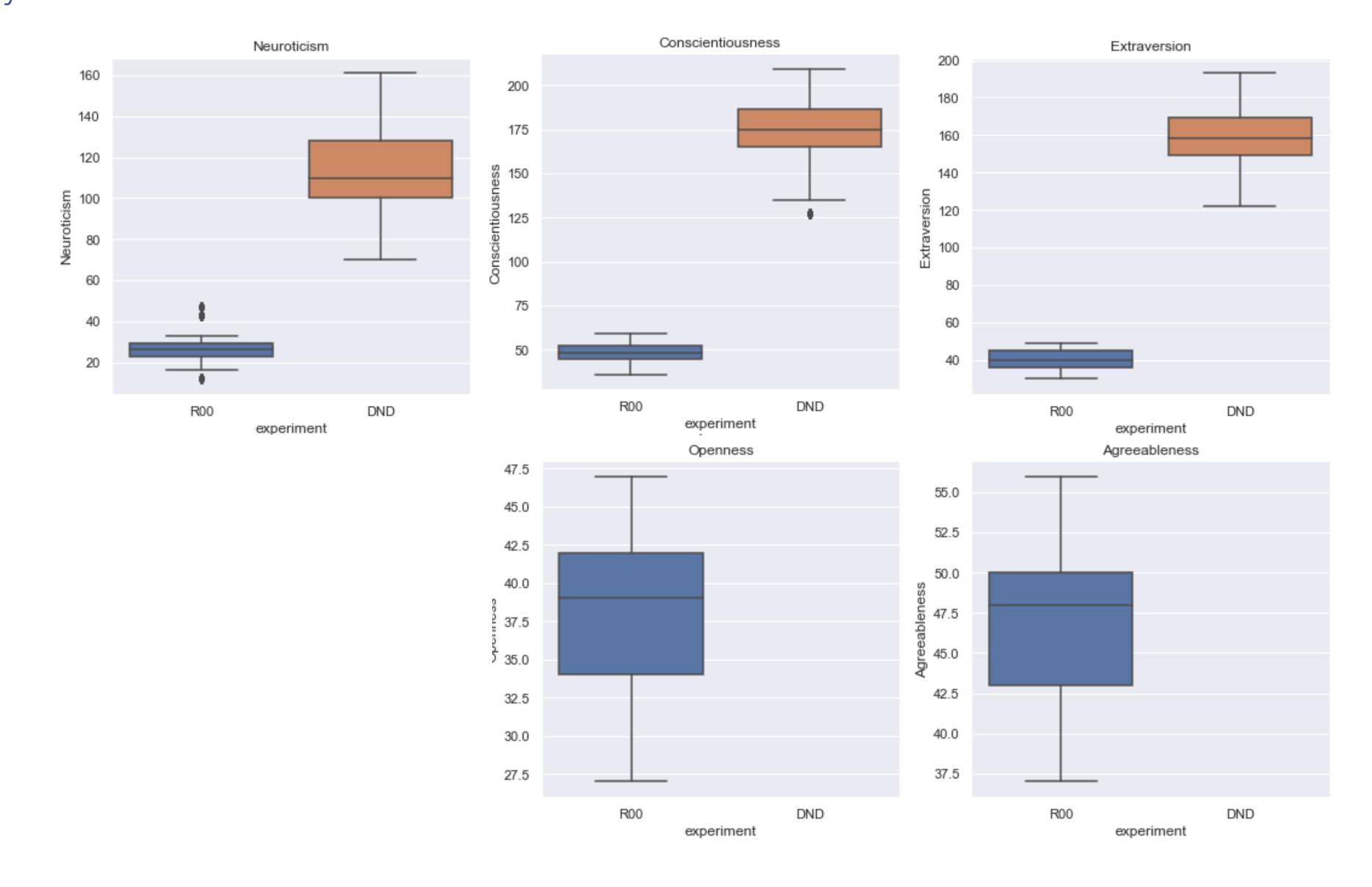
## 1.AVI - Part2



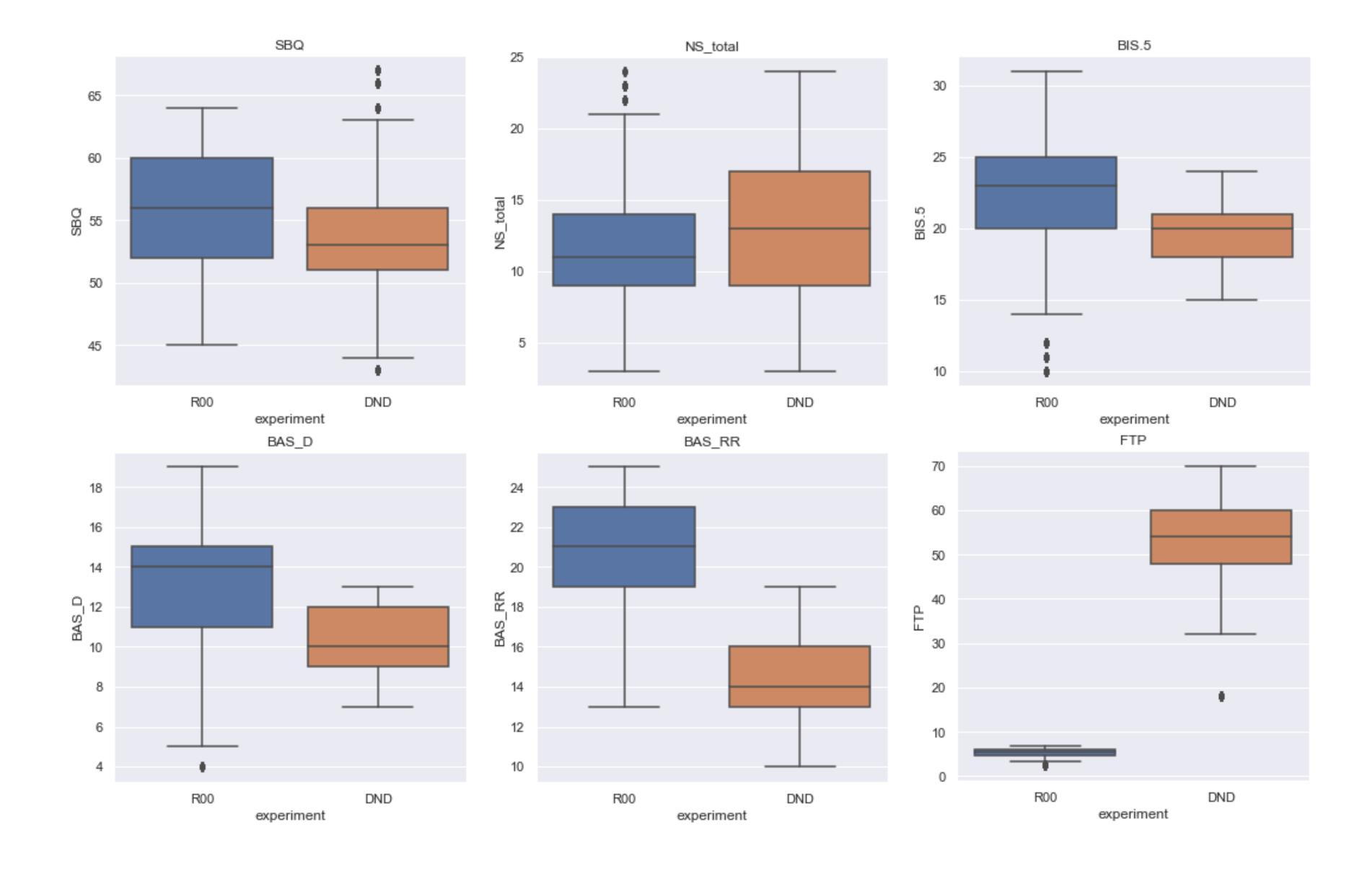


. HAP\_actual

## 2. Personality



## 3. Others



#### 4. Solutions

### (1) Affect Valuation Index (AVI) (16 features)

- (2) Personality Measurement (5 features) Z-Score within study
  - 1.Neuroticism: Scale not aligned
  - 2. Extraversion: Scale not aligned
  - 3. Conscientiousness: Scale not aligned
  - 4. Agreeableness: Completely missing in DND
  - 5. Openness: Completely missing in DND

## (3) Others (6 features)

- 1. SBQ
- 2. FTP (sun / average z-score)
- 3. NS\_total
- 4. BIS.5
- 5. BAS\_D
- 6. BAS\_RR,