Data Collection and Preparation

```python
# Corrected lists

# The participant_id list is already complete (77 entries)
participant_id = [f'sub-{i:02d}' for i in range(1, 78)]

# The age list is already complete (77 entries)
age = [47, 36, 43, 25, 52, 23, 38, 22, 57, 36, 32, 51, 21, 26, 21, 20, 51, 31, 60, 53, 42,
58, 33, 64, 53,
    38, 31, 43, 38, 45, 43, 55, 41, 51, 48, 42, 45, 41, 50, 61, 43, 58, 47, 37, 53, 48, 35,
44, 37, 40,
    32, 25, 32, 52, 19, 34, 60, 44, 52, 24, 48, 44, 66, 64, 20, 42, 32, 39, 41, 34, 45, 29,
27, 30, 28, 31, 33]

# Adding 4 missing entries to gender list
gender = ['male', 'male', 'male', 'male', 'female', 'female', 'female', 'male', 'female',
'female', 'male',
    'female', 'male', 'male', 'female', 'male', 'male', 'male', 'male', 'male', 'male', 'male',
'male',
    'male', 'male', 'male', 'male', 'female', 'male', 'male', 'female', 'female', 'male',
'female',
    'male', 'female', 'male', 'female', 'female', 'male', 'female', 'male', 'female', 'female',
    'female', 'male', 'female', 'male', 'female', 'male', 'female', 'female', 'male', 'female',
    'female', 'male', 'male', 'female', 'male', 'female', 'female', 'male', 'male', 'female',
    'female', 'female', 'male', 'female', 'female', 'male', 'male', 'female', 'female',
    None, None, None, None]  # Added 4 more entries as None

# Adding 1 missing entry to iq list
iq = [81, 104, 108, 106, 102, 104, 100, 98, 112, 71, 102, 93, 87, 100, 100, 110, 110, 101,
102, 108,
    108, 98, 104, 114, 106, 87, 106, 109, 108, 85, 104, 102, 112, 100, 106, 100, 95, 89,
108, 83,
    106, 104, 114, 98, 93, 93, 100, 110, 104, 85, 102, 102, 106, 106, 98, 116, 97, 104,
89, 110,
    102, 93, 98, 97, 105, 110, 95, 99, 96, 103, 100, 104, 101, 105, 99, 107, None]  #
Added 1 more entry as None

# The group list is already complete (77 entries)
group = ['HC']*25 + ['AVH-']*25 + ['AVH+']*27  # 25 HC, 25 AVH-, 27 AVH+
```

```python
# Verifying that all lists now have the same length
print(f"Length of participant_id: {len(participant_id)}")
print(f"Length of age: {len(age)}")
print(f"Length of gender: {len(gender)}")
print(f"Length of group: {len(group)}")
print(f"Length of iq: {len(iq)}")

# Creating the dataset
dataset = [
    {"participant_id": participant_id[i], "age": age[i], "gender": gender[i], "group": group[i],
"iq": iq[i]}
    for i in range(len(participant_id))
]

# Displaying the first few rows to ensure everything works correctly
for row in dataset[:5]:
    print(row)
```