

```
In [ ]: import pandas as pd
import json
from statistics import mean, median, stdev, variance

In [ ]: #sort out valid users only
no = ['0',21,26,18,29,37,38,40,48,55]
user_num=[]
for i in range(0,60):
    if not in no:
        user_num.append(i)
print(len(user_num))
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In [ ]: #Build user id strings
def get_user(number):
    if number<10:
        number = '0' + str(num)
    else:
        number = str(num)
    user = 'u' + number
    return user

In [ ]: dir = 'StudentLife/Data'

In [ ]: #gather data of walking activity
mean_walk = dict()
median_walk = dict()
std_walk = dict()
var_walk = dict()
for num in user_num:
    user = get_user(num)
    filename = dir+'PMA/response/Exercise/Exercise_' + user + '.json'
    ex_json = open(filename)
    data = json.load(ex_json)
    walk = []
    for i in range(0, len(data)):
        if 'walk' in data[i].keys():
            walk.append(int(data[i]['walk']))
        else:
            continue
    if len(walk):
        mean_walk[user]=mean(walk)
        median_walk[user]=median(walk)
        std_walk[user]=stdev(walk)
        var_walk[user]=variance(walk)
    elif len(walk)==1:
        mean_walk[user]=mean(walk)
        median_walk[user]=median(walk)
        std_walk[user]=0
        var_walk[user]=0
    else:
        mean_walk[user]=0
        median_walk[user]=0
        std_walk[user]=0
        var_walk[user]=0
    ex_json.close
    print(mean_walk)

('u0': 1.7027027027027026, 'u01': 2.4285714285714284, 'u02': 2.4166666666666665, 'u03': 2.125, 'u04': 2.5833333333333335, 'u05': 0, 'u07': 2.3076923076923075, 'u08': 2.41934548370906775, 'u09': 0, 'u10': 2.1, 'u12': 1.8888888888888888, 'u13': 0, 'u14': 3.75, 'u15': 1.8, 'u16': 2.5780473684210527, 'u17': 2.6666666666666665, 'u18': 2.4, 'u19': 2.340909090909091, 'u20': 2.6666666666666665, 'u22': 1, 'u23': 1.3529411764705883, 'u24': 2.111111111111111, 'u25': 2.2, 'u27': 1.4545454545454546, 'u28': 2.6666666666666665, 'u31': 2.875, 'u32': 2.04, 'u33': 2.3823529411764706, 'u34': 3.3333333333333335, 'u35': 3, 'u36': 2.4166666666666665, 'u39': 1, 'u41': 3, 'u42': 2.272727272727273, 'u43': 2.941176470588234, 'u44': 2.3863636363636365, 'u45': 1.8571428571428572, 'u46': 2.3076923076923075, 'u47': 2.111111111111111, 'u49': 1.36, 'u50': 2, 'u51': 1.8571428571428572, 'u52': 1.7, 'u53': 1.8095238095238095, 'u54': 3.5, 'u56': 2, 'u57': 2.90875, 'u58': 2.8666666666666665, 'u59': 3)

In [ ]: #gather data of user's mood
mean_mood = dict()
median_mood = dict()
std_mood = dict()
var_mood = dict()
for num in user_num:
    user = get_user(num)
    filename = dir+'PMA/response/Mood/2/Mood_2_' + user + '.json'
    ex_json = open(filename)
    data = json.load(ex_json)
    mood = []
    for i in range(0, len(data)):
        if 'how' in data[i].keys():
            mood.append(int(data[i]['how']))
        else:
            continue
    if len(mood):
        mean_mood[user]=mean(mood)
        median_mood[user]=median(mood)
        std_mood[user]=stdev(mood)
        var_mood[user]=variance(mood)
    elif len(mood)==1:
        mean_mood[user]=mean(mood)
        median_mood[user]=median(mood)
        std_mood[user]=0
        var_mood[user]=0
    else:
        mean_mood[user]=0
        median_mood[user]=0
        std_mood[user]=0
        var_mood[user]=0
    ex_json.close
    print(mean_mood)

('u0': 1.4, 'u01': 1, 'u02': 1.75, 'u03': 2, 'u04': 1.7142857142857142, 'u05': 0, 'u07': 0, 'u08': 2.142857142857143, 'u09': 0, 'u10': 1.9090909090909092, 'u12': 2.3333333333333335, 'u13': 0, 'u14': 2, 'u15': 0, 'u16': 2.25, 'u17': 2.1818181818181819, 'u18': 1.75, 'u19': 2.1, 'u20': 3.506060606060606, 'u22': 2.571421793293448, 'u23': 4, 'u25': 3.6923076923076923, 'u26': 4.402142857142857, 'u29': 5, 'u41': 3.4545454545454546, 'u42': 3.034423736260895, 'u43': 3.574285714285714, 'u44': 3.80655724317931, 'u43': 1, 'u43': 1, 'u44': 1.7142857142857142, 'u45': 1.375, 'u46': 2.25, 'u47': 1.5714285714285714, 'u49': 1.5555555555555556, 'u50': 0, 'u51': 2.0833333333333335, 'u52': 1.3333333333333333, 'u53': 2, 'u54': 0, 'u56': 1.8333333333333333, 'u57': 1.4736842105263157, 'u58': 1.8333333333333333, 'u59': 1.9489795918367347)

In [ ]: #gather data of user's stress level
conversion = {'1': '5', '2': '14', '3': '1', '4': '2', '5': '13'}
mean_stress = dict()
median_stress = dict()
std_stress = dict()
var_stress = dict()
for num in user_num:
    user = get_user(num)
    filename = dir+'PMA/response/Stress/Stress_' + user + '.json'
    ex_json = open(filename)
    data = json.load(ex_json)
    stress = []
    for i in range(0, len(data)):
        if 'level' in data[i].keys():
            stress.append(int(conversion[data[i]['level']]))
        else:
            continue
    if len(stress):
        mean_stress[user]=mean(stress)
        median_stress[user]=median(stress)
        std_stress[user]=stdev(stress)
        var_stress[user]=variance(stress)
    elif len(stress)==1:
        mean_stress[user]=mean(stress)
        median_stress[user]=median(stress)
        std_stress[user]=0
        var_stress[user]=0
    else:
        mean_stress[user]=0
        median_stress[user]=0
        std_stress[user]=0
        var_stress[user]=0
    ex_json.close
    print(mean_stress)

('u0': 3.4864686468646864, 'u01': 3.8125, 'u02': 4, 'u03': 3.551724179310347, 'u04': 3.5348837209302326, 'u05': 2.875, 'u07': 2.981132075471698, 'u08': 3.8444444444444444, 'u09': 3, 'u10': 3.61459043962264, 'u12': 3.3666666666666667, 'u13': 0, 'u14': 3.5315315315315316, 'u15': 4.3, 'u16': 3.2710280373831777, 'u17': 1.380952380952381, 'u18': 3.625, 'u19': 3.78021878021978, 'u20': 4.3, 'u22': 3.581818181818182, 'u23': 4.5454545454545454, 'u24': 3.846138461384613, 'u25': 3.15, 'u27': 3.76, 'u28': 2.2, 'u29': 3.506060606060606, 'u27': 2.625, 'u30': 1.5204117647058822, 'u31': 2.5454545454545454, 'u32': 2.3040455319148937, 'u33': 2.29368266829368, 'u34': 1.287142857142857, 'u35': 1.44, 'u36': 1.90875, 'u39': 1, 'u41': 1.9207142857142857, 'u41': 3.80655724317931, 'u43': 1, 'u43': 1, 'u44': 1.7142857142857142, 'u45': 1.375, 'u46': 2.25, 'u47': 1.5714285714285714, 'u49': 1.5555555555555556, 'u50': 0, 'u51': 2.0833333333333335, 'u52': 1.3333333333333333, 'u53': 2, 'u54': 0, 'u56': 1.8333333333333333, 'u57': 1.4736842105263157, 'u58': 1.8333333333333333, 'u59': 1.9489795918367347)

In [ ]: #gather data of user's sleep duration
mean_sleeptime = dict()
median_sleeptime = dict()
std_sleeptime = dict()
var_sleeptime = dict()
for num in user_num:
    user = get_user(num)
    filename = dir+'PMA/response/Sleep/Sleep_' + user + '.json'
    ex_json = open(filename)
    data = json.load(ex_json)
    sleephour = []
    for i in range(0, len(data)):
        if 'hour' in data[i].keys():
            sleephour.append(int(data[i]['hour']))
        else:
            continue
    if len(sleephour):
        mean_sleeptime[user]=mean(sleephour)
        median_sleeptime[user]=median(sleephour)
        std_sleeptime[user]=stdev(sleephour)
        var_sleeptime[user]=variance(sleephour)
    elif len(sleephour)==1:
        mean_sleeptime[user]=mean(sleephour)
        median_sleeptime[user]=median(sleephour)
        std_sleeptime[user]=0
        var_sleeptime[user]=0
    else:
        mean_sleeptime[user]=0
        median_sleeptime[user]=0
        std_sleeptime[user]=0
        var_sleeptime[user]=0
    ex_json.close
    print(mean_sleeptime)

('u0': 7.409090909090909, 'u01': 7.222222222222222, 'u02': 7.023076923076923, 'u03': 8.071428571428571, 'u04': 8.47058823294118, 'u05': 7.5, 'u07': 7.041666666666667, 'u08': 7, 'u09': 8, 'u10': 7.787234042553192, 'u12': 7.846153846153846, 'u13': 8, 'u14': 6.966666666666667, 'u15': 7.315789473684211, 'u16': 7.907692307692308, 'u17': 4.9, 'u18': 5.909090909090909, 'u19': 7.836363636363636, 'u20': 6.416666666666667, 'u22': 8.3, 'u23': 7.793130434782608, 'u24': 7.095652173913044, 'u25': 7.4, 'u27': 5.125, 'u28': 7.11747058823529, 'u31': 5.454545454545454, 'u32': 8.148936170212766, 'u33': 6.851683636363636, 'u34': 6.857142857142857, 'u35': 6.96, 'u36': 7.5625, 'u39': 7.8, 'u41': 7.571428571428571, 'u42': 6.71428571428571, 'u43': 3.80655724317931, 'u43': 1, 'u43': 1, 'u44': 1.714285714285714, 'u45': 2.24, 'u44': 1.1379310344827587, 'u45': 1.0909090909090908, 'u46': 2.347826086956522, 'u47': 1.5555555555555556, 'u49': 2.024390243902439, 'u50': 2.1666666666666665, 'u51': 1.9705882352941178, 'u52': 1.208095652173914, 'u53': 2.7096774193548385, 'u54': 2.25, 'u56': 2.047615047190474, 'u57': 1.9508196721311475, 'u58': 1.551741793103475, 'u59': 2.1232876712328768)

In [ ]: #gather data of user's sleep wellness
mean_sleeprate = dict()
median_sleeprate = dict()
std_sleeprate = dict()
var_sleeprate = dict()
for num in user_num:
    user = get_user(num)
    filename = dir+'PMA/response/Sleep/Sleep_' + user + '.json'
    ex_json = open(filename)
    data = json.load(ex_json)
    sleeprate = []
    for i in range(0, len(data)):
        if 'rate' in data[i].keys():
            sleeprate.append(int(data[i]['rate']))
        else:
            continue
    if len(sleeprate):
        mean_sleeprate[user]=mean(sleeprate)
        median_sleeprate[user]=median(sleeprate)
        std_sleeprate[user]=stdev(sleeprate)
        var_sleeprate[user]=variance(sleeprate)
    elif len(sleeprate)==1:
        mean_sleeprate[user]=mean(sleeprate)
        median_sleeprate[user]=median(sleeprate)
        std_sleeprate[user]=0
        var_sleeprate[user]=0
    else:
        mean_sleeprate[user]=0
        median_sleeprate[user]=0
        std_sleeprate[user]=0
        var_sleeprate[user]=0
    ex_json.close
    print(mean_sleeprate)

('u0': 8.605128285128286, 'u01': 9.97428571428572, 'u02': 9, 'u03': 8, 'u04': 8.65137614678899, 'u05': 9.333333333333334, 'u07': 9.993197728911564, 'u08': 8.863636363636363, 'u09': 10, 'u10': 9.7060702875739935, 'u12': 8.965174129533233, 'u13': 7.25, 'u14': 8.176767676767676, 'u15': 9.05747608113206, 'u16': 9.3593347632312, 'u17': 11.2646511027907, 'u18': 11.182389917060919, 'u19': 11.942708333333334, 'u20': 6.392158662745099, 'u22': 7.11947619047619, 'u23': 5.593144654088085, 'u24': 8.8686263780739, 'u25': 9.572016666666666, 'u27': 8.430003038059304, 'u28': 9.898408130949422, 'u31': 8.780320620206203, 'u32': 8.9, 'u33': 8.304704530547045, 'u34': 8.555555555555555, 'u35': 8.404390243902439, 'u36': 8.25, 'u39': 8.142857142857142, 'u41': 8.390243902439025, 'u42': 7.1188111881111, 'u43': 8.51528384279476, 'u44': 8.652179313043478, 'u45': 7.69811320754717, 'u46': 8.1641026410264, 'u47': 7.40566037735849, 'u49': 9.42386831257202, 'u50': 8.57894736842105, 'u51': 6.95242610738255, 'u52': 8.25, 'u53': 10.39247706422019, 'u54': 7.4480769230769231, 'u56': 10.36862105263157, 'u57': 9.36339522546419, 'u58': 5.76146788990827, 'u59': 9.52860418993135)

In [ ]: #gather data about user's personality traits, including enthusiasm, criticalness, dependability, anxiousness, experience-will, reservedness, sympathy,
disorganization, calmness, and conventional.
from statistics import mean, median, stdev, variance
mean_enthusiasm = dict()
mean_criticalness = dict()
mean_dependability = dict()
mean_anxiousness = dict()
mean_experiencewill = dict()
mean_reservedness = dict()
mean_sympathy = dict()
mean_disorganization = dict()
mean_calmness = dict()
mean_conventional = dict()
mean_enthusiasm = dict()
mean_criticalness = dict()
mean_dependability = dict()
mean_anxiousness = dict()
mean_experiencewill = dict()
mean_reservedness = dict()
mean_sympathy = dict()
mean_disorganization = dict()
mean_calmness = dict()
mean_conventional = dict()
keys_dict = {'enthusiastic': [mean_enthusiasm, median_enthusiasm, std_enthusiasm, var_enthusiasm],
             'critical': [mean_criticalness, median_criticalness, std_criticalness, var_criticalness],
             'dependable': [mean_dependability, median_dependability, std_dependability, var_dependability],
             'anxious': [mean_anxiousness, median_anxiousness, std_anxiousness, var_anxiousness],
             'experience': [mean_experiencewill, median_experiencewill, std_experiencewill, var_experiencewill],
             'reserved': [mean_reservedness, median_reservedness, std_reservedness, var_reservedness],
             'sympathetic': [mean_sympathy, median_sympathy, std_sympathy, var_sympathy],
             'disorganized': [mean_disorganization, median_disorganization, std_disorganization, var_disorganization],
             'calm': [mean_calmness, median_calmness, std_calmness, var_calmness],
             'conventional': [mean_conventional, median_conventional, std_conventional, var_conventional]}

for num in user_num:
    user = get_user(num)
    filename = dir+'PMA/response/Behavior/Behavior_' + user + '.json'
    ex_json = open(filename)
    data = json.load(ex_json)
    for key in keys_dict.keys():
        data_collector = []
        for i in range(0, len(data)):
            if key in data[i].keys() and data[i][key] != 'null':
                data_collector.append(int(data[i][key]))
            else:
                continue
        if len(data_collector)!=0:
            keys_dict[key][0][user]=mean(data_collector)
            keys_dict[key][1][user]=median(data_collector)
            if len(data_collector) > 1:
                keys_dict[key][2][user]=stdev(data_collector)
            else:
                keys_dict[key][2][user]=0
            keys_dict[key][3][user]=0
        else:
            keys_dict[key][0][user]=0
            keys_dict[key][1][user]=0
            keys_dict[key][2][user]=0
            keys_dict[key][3][user]=0
        ex_json.close

In [ ]: #initialize a dataframe with indexes are users' id
df=pd.DataFrame({'id': mean_walk.keys()})
df.head(5)

Out[ ]:
A
0 u01
1 u01
2 u02
3 u03
4 u04

In [ ]: #Construct the dataframe using gathered data
features_list = [
    mean_walk, mean_mood, mean_stress, mean_sleeptime, mean_sleeprate,
    mean_enthusiasm, mean_criticalness, median_enthusiasm, median_anxiousness, mean_experiencewill,
    mean_reservedness, mean_sympathy, mean_disorganization, mean_calmness,
    mean_conventional, median_enthusiasm, std_enthusiasm, var_enthusiasm,
    median_criticalness, std_criticalness, var_criticalness,
    median_dependability, std_dependability, var_dependability,
    median_anxiousness, std_anxiousness, var_anxiousness,
    median_experiencewill, std_experiencewill, var_experiencewill,
    median_reservedness, std_reservedness, var_reservedness,
    median_sympathy, std_sympathy, var_sympathy,
    median_disorganization, std_disorganization, var_disorganization,
    median_calmness, std_calmness, var_calmness,
    median_conventional, std_conventional, var_conventional,
    mean_PAM, median_PAM, std_PAM, var_PAM]

features_name = ['mean_walk', 'mean_mood', 'mean_stress', 'mean_sleeptime', 'mean_sleeprate', 'mean_enthusiasm', 'mean_criticalness', 'mean_dependability', 'mean_anxiousness', 'mean_experiencewill', 'mean_reservedness', 'mean_sympathy', 'mean_disorganization', 'mean_calmness', 'mean_conventional', 'median_enthusiasm', 'std_enthusiasm', 'var_enthusiasm', 'median_criticalness', 'std_criticalness', 'var_criticalness', 'median_dependability', 'std_dependability', 'var_dependability', 'median_anxiousness', 'std_anxiousness', 'var_anxiousness', 'median_experiencewill', 'std_experiencewill', 'var_experiencewill', 'median_reservedness', 'std_reservedness', 'var_reservedness', 'median_sympathy', 'std_sympathy', 'var_sympathy', 'median_disorganization', 'std_disorganization', 'var_disorganization', 'median_calmness', 'std_calmness', 'var_calmness', 'median_conventional', 'std_conventional', 'var_conventional', 'std_walk', 'var_walk', 'std_mood', 'var_mood', 'std_stress', 'var_stress', 'median_sleeptime', 'std_sleeptime', 'var_sleeptime', 'median_sleeprate', 'std_sleeprate', 'var_sleeprate', 'mean_PAM', median_PAM, std_PAM, var_PAM]

for i in range(0, len(features_name)):
    df[features_name[i]] = df['A'].map(features_list[i])

df.head(5)

Out[ ]:
A mean_walk mean_mood mean_stress mean_sleeptime mean_sleeprate mean_enthusiasm mean_criticalness mean_dependability mean_anxiousness ... median_sleeptime std_sleeptime var_sleeptime median_sleeprate std_sleeprate var_sleeprate mean_PAM median_PAM std_PAM var_PAM
0 u01 1.702703 1.400000 3.486466 7.109091 1.981818 3.166667 2.615385 3.416667 3.769231 ... 8.0 3.016453 9.098990 2.0 1.079968 1.166330 8.605128 7.0 3.607396 1.3590890
1 u01 2.428571 1.000000 2.812500 7.222222 1.592593 2.000000 1.000000 3.000000 1.000000 ... 8.0 1.219500 1.487179 2.0 0.572394 0.327635 9.971429 11.0 4.266118 16.200610
2 u02 2.416667 1.750000 4.000000 7.932077 2.000000 5.000000 2.500000 1.500000 1.666667 ... 8.0 1.128648 1.273846 2.0 0.400000 0.160000 9.000000 10.0 4.099449 16.605430
3 u03 2.125000 2.000000 3.551724 8.071429 1.714286 3.333333 2.833333 1.666667 ... 7.5 2.147199 4.587302 1.5 0.809991 0.656085 8.000000 7.0 4.395577 19.321001
4 u04 2.583333 1.714286 3.534884 6.470588 2.058824 3.000000 3.500000 3.000000 3.500000 ... 6.0 0.061123 0.741533 2.0 0.547234 0.299465 8.651376 10.0 4.114437 16.059590
5 rows x 66 columns

In [ ]: #Assign users their class by firstly read the data about users' response to a survey
output = pd.read_csv(dir+'PMA/response/testScale.csv')
drop = []
for i in range(0, 45):
    if output['uid'].iloc[i] not in list(df['A']):
        drop.append(i)
output = output.drop(drop, axis=0)
output.head(5)

Out[ ]:
1. In the last month, how often have you been upset because of something that happened unexpectedly?
uid type
0 u01 pre Sometime
1 u02 pre Sometime
2 u02 pre Fairly often
3 u03 pre Sometime
4 u04 pre Almost never

2. In the last month, how often have you found that you were unable to control the important things in your life?
uid type
0 u01 pre Sometime
1 u02 pre Sometime
2 u02 pre Fairly often
3 u03 pre Sometime
4 u04 pre Almost never

3. In the last month, how often have you felt nervous and "stressed"?
uid type
0 u01 pre Fairly often
1 u02 pre Sometime
2 u02 pre Fairly often
3 u03 pre Almost never
4 u04 pre Sometime

4. In the last month, how often have you found that you could not handle your personal problems?
uid type
0 u01 pre Fairly often
1 u02 pre Sometime
2 u02 pre Fairly often
3 u03 pre Almost never
4 u04 pre Sometime

5. In the last month, how often have you been able to control irritations in your life?
uid type
0 u01 pre Very often
1 u02 pre Sometime
2 u02 pre Fairly often
3 u03 pre Never
4 u04 pre Sometime

6. In the last month, how often have you felt that you were on top of things?
uid type
0 u01 pre Sometime
1 u02 pre Fairly often
2 u02 pre Fairly often
3 u03 pre Never
4 u04 pre Sometime

7. In the last month, how often have you felt that you were on top of things?
uid type
0 u01 pre Sometime
1 u02 pre Fairly often
2 u02 pre Fairly often
3 u03 pre Never
4 u04 pre Sometime

8. In the last month, how often have you felt that you were on top of things?
uid type
0 u01 pre Sometime
1 u02 pre Fairly often
2 u02 pre Fairly often
3 u03 pre Never
4 u04 pre Sometime

9. In the last month, how often have you felt that you were on top of things?
uid type
0 u01 pre Sometime
1 u02 pre Fairly often
2 u02 pre Fairly often
3 u03 pre Never
4 u04 pre Sometime

10. In the last month, how often have you felt that you were on top of things?
uid type
0 u01 pre Sometime
1 u02 pre Fairly often
2 u02 pre Fairly often
3 u03 pre Never
4 u04 pre Sometime

In [ ]: #Encode categorical data in a particular suitable way
condition = set()
for n in range(0, len(output.columns)-2):
    condition.add(output[output.columns[n+2]].iloc[n])
con_conv = {'Almost never': 1, 'Fairly often': 3, 'Never': 0, 'Sometime': 2, 'Very often': 4}

for n in range(0, output.shape[0]):
    for i in range(0, output.shape[0]):
        output[output.columns[n+2]].iloc[n] = con_conv[output[output.columns[n+2]].iloc[n]]

for n in range(0, output.shape[0]):
    for i in range(0, output.shape[0]):
        output[output.columns[n+2]].iloc[n] = 4 - output[output.columns[n+2]].iloc[n]

In [ ]: #Generate each users' class
con = {}
for n in range(0, output.shape[0]):
    sum = 0
    for i in range(0, len(output.columns)-2):
        sum += output[output.columns[n+2]].iloc[n]
    con[con_dict['uid'].iloc[n]] = sum
con_dict = dict()
for n in range(0, len(list(sum_dict.keys()))):
    con = sum_dict[list(sum_dict.keys())[n]]
    if con <= 20:
        con_dict[list(sum_dict.keys())[n]] = 0
    print(con_dict)

('u00': 0, 'u01': 0, 'u02': 0, 'u03': 0, 'u04': 0, 'u05': 0, 'u07': 0, 'u08': 0, 'u09': 0, 'u10': 1, 'u12': 0, 'u13': 0, 'u14': 0, 'u15': 0, 'u16': 1, 'u17': 0, 'u18': 1, 'u19': 1, 'u20': 0, 'u22': 0, 'u23': 1, 'u24': 1, 'u27': 0, 'u30': 0, 'u31': 1, 'u42': 0, 'u43': 0, 'u44': 0, 'u45': 0, 'u46': 0, 'u47': 0, 'u48': 0, 'u49': 1, 'u50': 0, 'u51': 0, 'u52': 0, 'u53': 0, 'u54': 0, 'u56': 0, 'u57': 0, 'u58': 0, 'u59': 0)

In [ ]: #Assign users their class and finalize the dataframe
df['con'] = df['A'].map(con_dict)
df = df.dropna()
print(df.shape)
df.head(5)

(46, 66)

Out[ ]:
A mean_walk mean_mood mean_stress mean_sleeptime mean_sleeprate mean_enthusiasm mean_criticalness mean_dependability mean_anxiousness ... median_sleeptime std_sleeptime var_sleeptime median_sleeprate std_sleeprate var_sleeprate mean_PAM median_PAM std_PAM var_PAM
0 u01 1.702703 1.400000 3.486466 7.109091 1.981818 3.166667 2.615385 3.416667 3.769231 ... 8.0 3.016453 9.098990 2.0 1.079968 1.166330 8.605128 7.0 3.607396 1.3590890
1 u01 2.428571 1.000000 2.812500 7.222222 1.592593 2.000000 1.000000 3.000000 1.000000 ... 8.0 1.219500 1.487179 2.0 0.572394 0.327635 9.971429 11.0 4.266118 16.200610
2 u02 2.416667 1.750000 4.000000 7.932077 2.000000 5.000000 2.500000 1.500000 1.666667 ... 8.0 1.128648 1.273846 2.0 0.400000 0.160000 9.000000 10.0 4.099449 16.605430
3 u03 2.125000 2.000000 3.551724 8.071429 1.714286 3.333333 2.833333 1.666667 ... 7.5 2.147199 4.587302 1.5 0.809991 0.656085 8.000000 7.0 4.395577 19.321001
4 u04 2.583333 1.714286 3.534884 6.470588 2.058824 3.000000 3.500000 3.000000 3.500000 ... 6.0 0.061123 0.741533 2.0 0.547234 0.299465 8.651376 10.0 4.114437 16.059590
5 rows x 66 columns

In [ ]:
A
0 u01
1 u01
2 u02
3 u03
4 u04
```