When you run gas_appliance_data_generator.py without modifying any parameters, you should see this output:

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UNIFIED GAS APPLIANCE SYNTHETIC DATA GENERATOR
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1. Generating week for 3-person household (all appliances)...
         date  hour  stove  oven  dryer  water_heater  total
0   2024-08-01     0   0.00   0.0    0.0          0.01   0.01
1   2024-08-01     1   0.00   0.0    0.0          0.01   0.01
2   2024-08-01     2   0.00   0.0    0.0          0.01   0.01
3   2024-08-01     3   0.00   0.0    0.0          0.01   0.01
4   2024-08-01     4   0.00   0.0    0.0          0.01   0.01
5   2024-08-01     5   0.00   0.0    0.0          0.01   0.01
6   2024-08-01     6   0.00   0.0    0.0          0.01   0.01
7   2024-08-01     7   0.00   0.0    0.0          0.01   0.01
8   2024-08-01     8   0.01   0.0    0.0          0.16   0.17
9   2024-08-01     9   0.01   0.0    0.0          0.01   0.02
10  2024-08-01    10   0.00   0.0    0.0          0.01   0.01
11  2024-08-01    11   0.00   0.0    0.0          0.01   0.01
12  2024-08-01    12   0.00   0.0    0.0          0.01   0.01
13  2024-08-01    13   0.00   0.0    0.0          0.01   0.01
14  2024-08-01    14   0.00   0.0    0.0          0.01   0.01
15  2024-08-01    15   0.00   0.0    0.0          0.01   0.01
16  2024-08-01    16   0.00   0.0    0.0          0.01   0.01
17  2024-08-01    17   0.01   0.0    0.0          0.01   0.02
18  2024-08-01    18   0.00   0.0    0.0          0.01   0.01
19  2024-08-01    19   0.02   0.0    0.0          0.01   0.03
20  2024-08-01    20   0.01   0.0    0.0          0.01   0.02
21  2024-08-01    21   0.00   0.0    0.0          0.01   0.01
22  2024-08-01    22   0.00   0.0    0.0          0.01   0.01
23  2024-08-01    23   0.00   0.0    0.0          0.01   0.01
```

Daily totals (first 7 days):
date
2024-08-01   0.45
2024-08-02   0.46
2024-08-03   0.75
2024-08-04   0.81
2024-08-05   0.71
2024-08-06   0.91
2024-08-07   0.67
Name: total, dtype: float64

2. Generating week for 4-person household (stove + water_heater only)...

Appliance contributions (first day):
Stove total: 0.07 therms
Water heater total: 0.58 therms
Combined total: 0.67 therms

3. Comparing household sizes (1-5 people)...
1 person(s): 3.87 therms/week
2 person(s): 4.14 therms/week
3 person(s): 5.15 therms/week
4 person(s): 5.51 therms/week
5 person(s): 6.36 therms/week

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Generation complete!
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