

```
% Load solar production data
solarData = readtable('Corrected_House_1_Solar_Production.xlsx');
solarPower = solarData.Power; % Adjust column name as necessary
time = (0:length(solarPower)-1)'; % Assuming hourly data
solarTS = timeseries(solarPower, time);

% Load consumption data
consumptionData = readtable('House_1_Consumption_Reshaped.xlsx');
consumptionPower = consumptionData.Power; % Adjust column name as necessary
consumptionTS = timeseries(consumptionPower, time);

% Assign to base workspace for Simulink access
assignin('base', 'solarTS', solarTS);
assignin('base', 'consumptionTS', consumptionTS);
```