```
>> clear
>> load('AL_Data_5122.mat')
>> who

Your variables are:

Drink_Diary_Data_5122_A

>> Drink_Diary_Data_5122_A

Drink_Diary_Data_5122_A =

1x11 struct array with fields:

    t_Drink
    data_Drink
    t_BrAC
    data_BrAC
    T_Opt
    T_Sim
    t_TAC
    data_TAC
```

Note that the two codes used below have comment blocks at the top explaining the inputs and outputs

```
>> BrAC_1=[Drink_Diary_Data_5122_A(1).t_BrAC',Drink_Diary_Data_5122_A(1).data_BrAC];
>> TAC_1=[Drink_Diary_Data_5122_A(1).t_TAC',Drink_Diary_Data_5122_A(1).data_TAC];
>> [r1_r2_h_1] = BrAC_Estimator_Filter_Design(BrAC_1,TAC_1);
>> BrAC_2=[Drink_Diary_Data_5122_A(2).t_BrAC',Drink_Diary_Data_5122_A(2).data_BrAC];
>> TAC_2=[Drink_Diary_Data_5122_A(2).t_TAC',Drink_Diary_Data_5122_A(2).data_TAC];
>> [Est_BrAC_TAC] = BrAC_Est_0_G_1_FD(TAC_2,r1_r2_h_1);
>>
```

Load BrAC and TAC for episode 1 into an array

Train on episode 1; put the trained filter and reg parms in r1_r2_h_1

Load BrAC and TAC for episode 2 into an array

Estimate BrAC for episode 2 using the filter trained on episode 1