```sas
/*Tyler Edwards*/
/*9-19-2019*/
/*H.W.1*/

/*1.1*/
data p1;
    input Start TwoWeeks;
    Diff = Start - TwoWeeks;
    datalines;
22.125 23.375
23.500 23.125
23.500 24.750
25.875 25.750
26.375 26.750
21.375 22.625
28.875 29.000
24.625 24.000
23.125 24.125
25.000 27.250
;
run;

proc univariate data = p1;
    var Diff;
run;

/*1.3*/
data p2;
    input Day$ Week1 Week2;
    Diff = Week1 - Week2;
    datalines;
Mon 405.65 403.02
Tue 400.51 399.49
Wed 408.25 396.10
Thu 401.34 403.59
Fri 409.09 405.68
;
run;

/*1.4*/
proc univariate data = p2;
    var Diff;
run;

/*1.7*/
data p4;
    input group $ Days @@;
    datalines;
Tx 5 Tx 4 Tx 6 Tx 4 Tx 3 Tx 4 Tx 4 Tx 3 Tx 5 Tx 5
Cx 7 Cx 8 Cx 12 Cx 10 Cx 8 Cx 9 Cx 10
```

```
    ;
    run;

    proc npar1way data=p4 wilcoxon;
        class group;
        var Days;
        exact;
    run;

    /*1.10*/
        /*a*/
    data p5;
        input group $ Hours @@;
        datalines;
Work 1 Work 4 Work 14 Work 7 Work 11 Work 1 Work 8 Work 10
Home 1 Home 3 Home 5 Home 5 Home 4 Home 3 Home 4 Home 5
    ;
    run;

    proc npar1way data=p5 wilcoxon;
        class group;
        var Hours;
        exact;
    run;

        /*b*/
    proc npar1way data=p5 ab;
        class group;
        var Hours;
        exact;
    run;

    /*1.12*/
    data p6;
        input group $ Score @@;
        datalines;
Tx 2.1 Tx 1.6 Tx 3.5 Tx 3.2 Tx 4.0
Cx 3.7 Cx 7.2 Cx 2.8 Cx 5.3 Cx 8.6
    ;
    run;

    proc npar1way data=p6;
        class group;
        var Score;
        exact;
    run;
```