```
Statistical codes to be run in SAS.
FILENAME REFFILE 'C:\Users\vr22128\OneDrive - University of
Bristol\Desktop\Hunger project CPP Summer22\Dataset CPP hunger sas.csv';
PROC IMPORT DATAFILE=REFFILE
      DBMS=csv
      OUT=CPP hunger;
      GETNAMES=YES;
RUN;
data numbers;
     set CPP hunger;
run:
PROC CONTENTS;
RUN;
proc univariate plot normal;
var Time Prop treat Time hab;
      run;
Proc means data = CPP hunger ;
var Time Prop treat Time hab;
** HABITUATION
*Preference for one side or one colour during habituation;
Proc mixed data = CPP hunger ;
Class Side Pair Calf Colour Treatment ;
Model Time hab = Side Colour Side Colour / solution residual ;
Repeated / subject =Calf(Pair) type=ar(1);
Lsmeans / cl diff;
Run;
*Results:
*Type 3 Tests of Fixed Effects
Effect Num DF Den DF F Value Pr > F
Side 1 22 7.98 0.0099
Colour 1 22 16.72 0.0005
Side*Colour 1 22 1.07 0.3117;
* The left and the blue were preferred
** TESTING;
Proc mixed data = CPP hunger ;
Class Side Pair Calf Colour Treatment Order ;
Model Time = Treatment Side Colour Time hab Order / solution residual ;
Repeated / subject =Calf(Pair) type=ar(1);
Lsmeans / cl diff;
Run;
*Results:
Type 3 Tests of Fixed Effects
Treatment 1 20 0.03 0.8641
Side 1 20 1.56 0.2257
Colour 1 20 9.34 0.0062
Colour*Treatment 1 20 0.01 0.9137
* Blue was preferred;
```