 IN-CLASS ACTIVITY: CHAPTER 9 PART 2 \*/  
/\*   Using the chick data file from D2L, import the data file into the SAS environment.   \*/

**proc** **import** datafile="C:\Users\zwehl\OneDrive - Kennesaw State University\SAS Work Files\week10 data\week10 data\chick data.txt"

out=chick\_data

dbms=dlm

replace;

delimiter=' ';

getnames=no;

**run**;

/\*     The four variables are weight, time, chickID and diet.                               \*/

**data** chick\_data;

set chick\_data;

rename VAR1=weight VAR2=time VAR3=chickID VAR4=diet;

**run**;

**proc** **sort** data=chick\_data;

by chickID;

**run**;

\*This was recommended to me by AI, I missed this crucial step in identifying the missing variable.;

**proc** **means** data=chick\_data nmiss;

var chickID;

**run**;

**data** chick\_data;

set chick\_data;

if chickID ^= **.**;

**run**;  
/\*   Transpose the long data file into a wide format file keeping only weight and ID as   \*/

**proc** **transpose** data=chick\_data out=chick\_wide(drop=\_NAME\_);

by chickID;

id time;

var weight;

**run**;  
/\*   variables. Make sure to include the word 'time' as a prefix for the new columns.     \*/

\*I’ve used both the SAS website forum examples as well as an AI tool to help me with this problem. The issue was the code I used was incorrect when attempting to organize the columns into including the word time.

**data** chick\_wide;

set chick\_wide;

rename \_0 = time0

\_2 = time2

\_4 = time4

\_6 = time6

\_8 = time8

\_10 = time10

\_12 = time12

\_14 = time14

\_16 = time16

\_18 = time18

\_20 = time20

\_21 = time21;

**run**;

/\*   Then, convert the wide format chick dataset back to long format. Print both datasets \*/

**proc** **print** data=chick\_wide;

title 'Chick Wide Format Dataset';

**run**;

\*Turning wide format to Long format;

**proc** **transpose** data=chick\_wide out=chick\_long(rename=(col1=weight));

by chickID;

var time0 time2 time4 time6 time8 time10 time12 time14 time16 time18 time20 time21;

**run**;

**data** chick\_long;

set chick\_long;

time = input(substr(\_NAME\_, **5**), **8.**);

drop \_NAME\_;

**run**;

**proc** **print** data=chick\_long;

title 'Chick Long Format Dataset';

**run**;