

SAS SUCCESS

Proc Transpose



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Overview

- *The Problem*
- *Using Proc Transpose*
- *The Results*



The Problem

- *Educational Equity Data*
- *A student had a record in a table for each attribute they had (0 to 10 records)*
- *The Goal is to have a single record for each student that shows all attributes (0 to 1 record per student)*

Using Proc Transpose

- *Gathered my data using a Proc SQL statement. One row per student per attribute.*

proc sql;

Create table work.pre_transpose as select code, person_id from attribute_table where effective_term < current_term order by person_id;

Quit;

- *This Generates a List of People and the attributes they possess.*
- *Notice that it's ordered by person_id*

Using Proc Transpose

→ *Now We're ready to Transpose the Data.*

```
proc transpose;  
  Data=work.pre_transpose  
  Out=work.post_transpose  
  Prefix=IND_;  
  
  By person_id; /* This represents what will uniquely identify each observation in the new  
                 data set */  
  
  id code;      /* This will represent the new variables for the observations, what you're  
                 transposing */  
  
  Var person_id; /* This will be the value assigned to your transposed observations*/  
run;
```

The Results

- *This gives us our new data set.*
- *Each observation has our `person_id` variable in it and a variable for each “code” we had previously.*
- *If a person doesn’t have the code, it’s represented with a “.”*
- *If the person has a code, it’s given a value based on the `person_id` (the `var` statement above)*

Questions

Any Questions?

