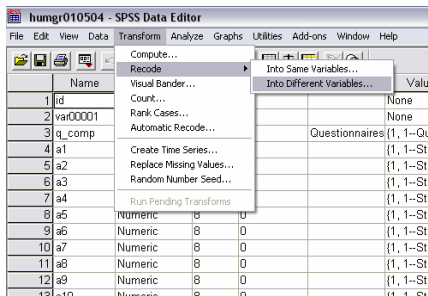


# Scale Construction

1. Select items to be used in the scale
2. reverse any negatively worded items
  - a. this is done so that all items in the scale point in the same direction
  - b. i.e., if one question reads I tend to be more innovative then others (1-5 disagree to agree response scale) and a second item reads I tend to be less innovative than others (same response scale) then one of the items need to be reversed so that in the case of both items higher score mean more/less innovative

## Transform → Recode → Into different Variables



## That will give you this screen

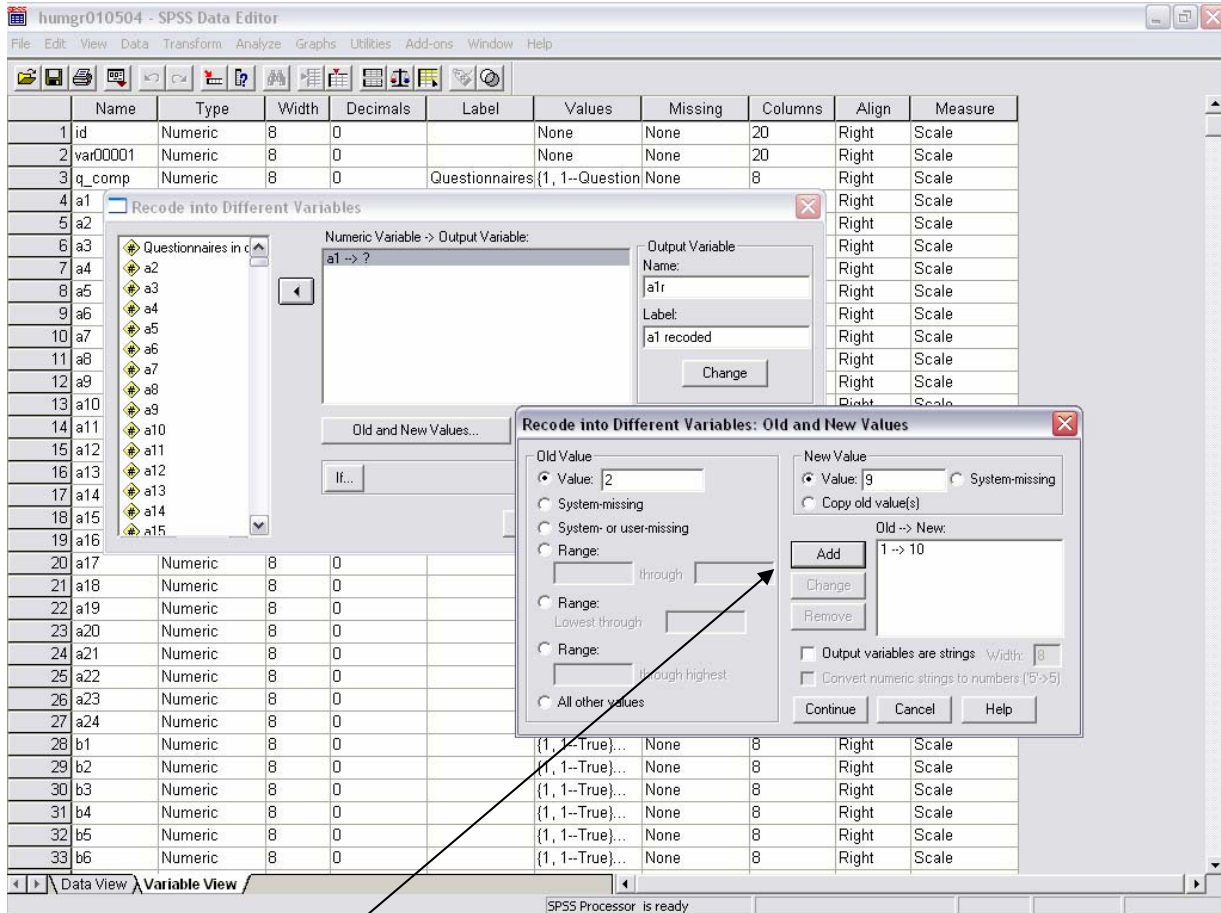


3. **Select first item that needs to be reverse coded and click on the arrow**
4. **Give the output variable (new variable) a new name – I usually just put an r on the original variable name**



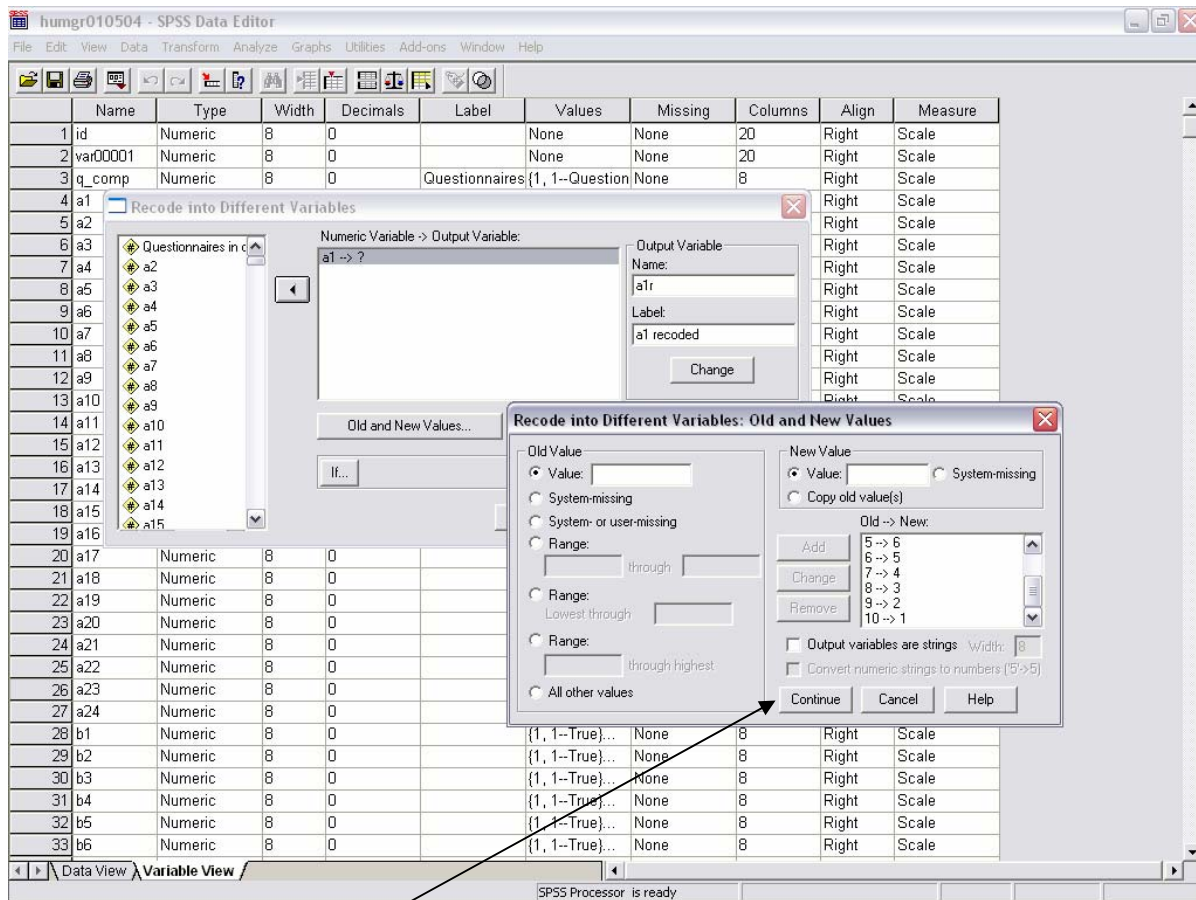
This is the screen where you tell the computer what the old values need to be made or recoded into

5. start with 1 and enter that into the old value space
6. under new value put in the value that it should become, so for example if you were reverse coding items that were on a 1-10 scale a 1 would now be a 10, a 2 would be a 9 and so on.
7. after you enter in the numbers you hit the ADD button.



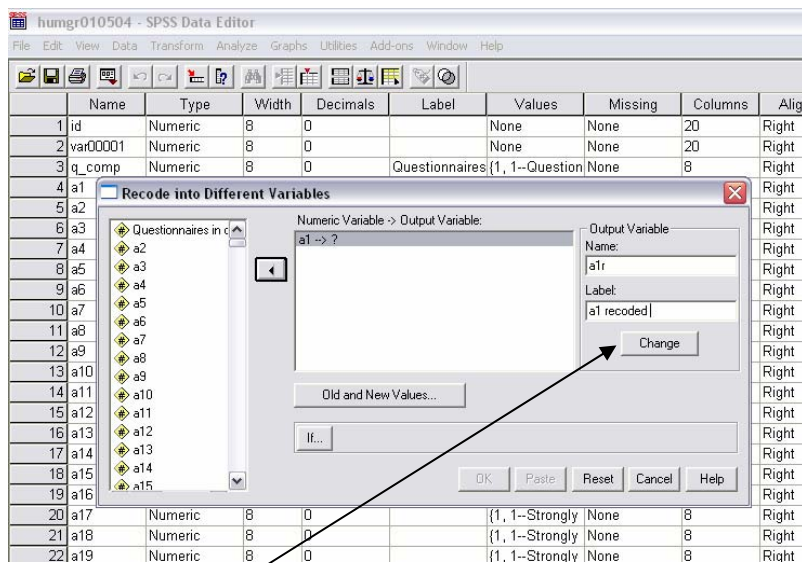
**Add Button**

8. After you have entered in all the values hit continue



Continue Button

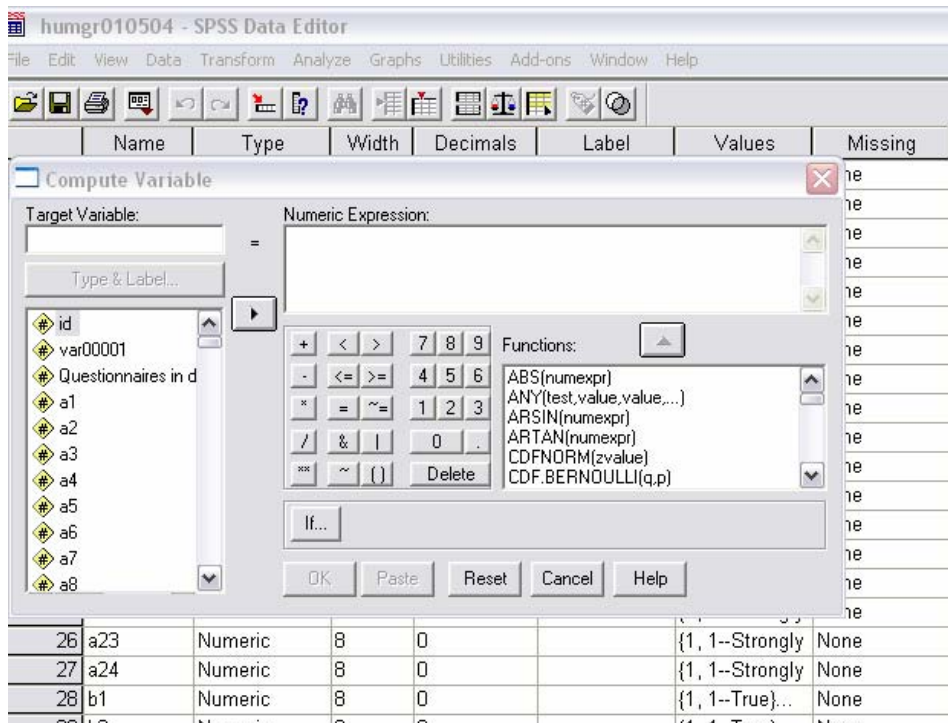
9. Click on the Change button to recode the values



Change Button

As long as you are not change what the old and new values are you can continue repeat steps 3,42 and 9.

10. after you have reverse coded all negatively worded items you are ready to compute the scale by **transform** → **compute** which will bring up this screen



11. under **target variable** enter the name of your scale
12. click on an item in your scale and then using the arrow button click it over to the **Numeric Expression** box.
13. hit the + sign on
14. repeat steps 12 and 13 until all items have been entered
15. once you have entered all items hit ok and the scale will be created
16. note --- use the reversed versions for those negatively worded items in the scale.

