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Reshape table in r

Reshape data table in r.

You want to perform the converted data from a large format to a long format. Many R functions wait for data to be in a long format rather than a large format. Programs like SPSS, however, often use widely formatted data. Solution There are two sets of methods that are explained below: Collection () and spread () from the Tidyr package. This is a newer interface for the RESHAPE2 package. Melt () and DCast () from the RESHAPE2 package. There are a number of other methods that are not covered here, since they are *not* so easy to use: the Reshape function (), which is confused, not part of the Reshape2 package; It is part of the basic data installation of example R. Stack () and detachment () These data frames keep the same data, but in large and long formats. Each will be converted into another format below. 17.92 with 12.9 Long-term outdoor use: OldData_wide #> Subject Sex Control Cond1 Cond2 #1 1 m 7.9 12.3 10 > 2 2 F 6.3 10.6 11.1 #> 3 F 9.5 13.1 13.8 #> 4 4 m 11.5 13.4 12.9 Library (Tidyr) # The topics to be collected (); # - Data: Date Object # - Key: name of the new key column (made with data column names) # - Value: Name of the new column Value # - ...; Origin Names Columns # - Factor Key: Treat the new key column as factor (instead of character vector) date_long Subject Sex Conditions Misement #> 1 M Control 7.9 #2 2 F Control 6.3 # 3 F Control 9.5 #4 4 m Control 11.5 #> 5 1 m COND1 12.3 # 6 F Cond1 10.6 # 7 3 F Cond1 13.1 # 8 4 m Cond1 13.4 # In this example, the columns of origin collected are specified with the control: Cond2. This means using all columns, positively, between control and cond2. Another way to do so is to name columns individually, as in: Collection (olddata_wide, condition, measurement, control, cond1, cond2) If you need to use GARE () at code level, you may need to use variables containing column names. To do this, you need to use the Gather_ function instead, whichstrings instead of bare column names (not listed). KeyCOL 6 2 f first 10.6 #> 10 2 f second 11.1 #> 3 3 f control 9.5 #> 7 3 f first 13.1 #> 11 3 f depending on 13.8 #> 4 4 m control 11.5 #> 8 4 m first 13.4 #> 12 4 m second 12.9 from the length to wide diffusion: OldData_Long #> Subject sex condition measurement #>> 1 1 m control 7.9 #> 2 1 m cond1 12.3 #> 3 1 m cond2 10.7 #> 4 2 f control 6.3 #> 5 2 f cond1 10.6 #> 6 2 f cond2 11.1 #> 7 3 f control 9.5 #> 8 3 f cond1 13.1 #> 9 3 f cond2 13.8 #> 10 4 m control 11.5 #> 11 4 m cond1 13.4 #> 12 4 m cond2 12.9 Library (tidyr) # Topics T or Spread (); # - Data: Data Object # - Key: column name containing the new column names # - Value: column name containing data values_wide Subject Sex Cond1 Cond2 control #> 1 M 12.3 10.7 7.9 #> 2 2 F 10.6 11.1 6.3 #> 3 3 F 13.1 13.8 9.5 #> 4 4 m 13.4 12.9 11.5 Optional: some things to make data more beautiful. # Rename Cond1 first and cond2 to seconds Names (Data_Wide) [Names (Data_Wide) == "Cond1"]

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