

# Weeks 7/8 Assignment: Tidying and Transforming Data

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Your code should be placed in **a single R script**. Place your R script in **rpubs.com**, or in a public github repository on github and submit a link to your script here.

***The weeks 7/8 assignment is due end of day on Sunday March 22<sup>nd</sup>.***

Your solution will **use both the tidy** package that we'll discuss in week 7 and **the dplyr package** that we'll preview in week 7 and discuss in week 8.

In a recent mythical poll in Scotland, voters were asked if they preferred [Cullen skink](#) over [Partan bree](#). Here are the results of the poll, with results **broken down by city and by age group**.

	Edinburgh		Glasgow	
	16-24	25+	16-24	25+
Yes	80,100	143,000	99,400	150,400
No	35,900	214,800	43,000	207,000

1. **Write down 3 questions** that you might want to answer based on this data.
2. Create an R **data frame with 2 observations** to store this data in its current “messy” state. Use whatever method you want to re-create and/or load the data.
3. Use the functionality in the **tidy** package to convert the data frame to be “tidy data.”
4. Use the functionality in the **dplyr** package to answer the questions that you asked in step 1.
5. **Having gone through the process, would you ask different questions and/or change the way that you structured your data frame?**