

# Data Collection & Corpus Building

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# Learning Objectives

- Understand why and how to collect textual data to create a corpus.
- Learn how to systematize and organize my data

# Key Terminology

- **Data:** The organized information for research. For writing purposes, data will be the text(s) in your corpus and the metadata associated with those texts.
- **Corpus (corpora):** A text, or collection of texts aggregated for research.
- **Metadata:** Data about your data. For example, URLs, author, title, etc.
- **.txt (aka plaintext files):** Plaintext file formats like .txt remove formatting from a text which can interfere with text analysis tools.
- **.csv (comma separated value):** A file format that stores tabular data (like an excel spreadsheet) in plaintext where values are separated by commas.

# Pre-Research Questions

- What are my research questions and why am I creating a corpus?
- What am I asking my corpus to do?
- What text(s) should form my corpus to answer my research questions?
- How should I logically organize my data/corpus to streamline my research processes and save time?

# Creating A Corpus

1. Find and choose a repository or archive that has the data and text(s) that I require to answer my research questions.
2. Retrieve the texts that I will put into my corpus. **Do not** do so blindly, be sure to read through the texts as well as assembling a corpus.
  - a. Texts can be **directly related** to my research question or **randomly selected** if I desire sampling from a larger body of work for exploratory purposes.
3. Download and store your data in a **systematic** way to streamline the analyzation process. A well-designed storage system will **save time**, especially with large corpora.

# Storing Your Corpus

- Use citation software (e.g., Zotero) to organize and store your corpus.
- Put all of your texts in the same **folder**.
- Follow a **systematic naming convention** for your texts so it is clear from a quick glance what the file name is from the filename.
  - Remove spaces from your document name - use underscores or dashes instead.
- If you plan on using computational text analysis, it is ideal that you create a plain .txt format file for each text because it standardizes and removes formatting - the **best practice** is to copy and paste, but note that this is not always possible.
- Create a new '**metadata**' document or spreadsheet in the same folder
  - **At a minimum**, you should have: the local file name, title, author name, links/URLs to the source. Other useful metadata include publication title, volume/issue, publication date, etc.

# Naming Conventions

There is **no universal or correct** way to name your data, but you must be systematic to make organization easier, to streamline the analyzing process, and to save time especially with larger corpora.

# Example Naming Conventions

If we have the following unorganized documents:

- Price, Joseph M., and Wenbin Sun, “Doing Good and Doing Bad: The Impact of Corporate Social Responsibility and Irresponsibility on Firm Performance,” *Journal of Business Research*, Volume 80, 2017, pp. 82-97.
- Bhardwaj, Pradeep, Prabirendra Chatterjee, Kivilcim Dogerlioglu Demir, and Ozge Turu, “When and How is Corporate Social Responsibility Profitable?” *Journal of Business Research*, Volume 84, 2018, pp. 206-219.
- Baskentli, Sara, Sankar Sen, Shuili Du, and C.B. Bhattacharya, “Consumer Reactions to Corporate Social Responsibility: The Role of CSR Domains,” *Journal of Business Research*, Volume 95, 2019, pp. 502-513.
- Wolf, Julia, “The Relationship Between Sustainable Supply Chain Management, Stakeholder Pressure and Corporate Sustainability Performance,” *Journal of Business Ethics*, Volume 119, Issue 3, 2014, pp. 317-328.













# Example Naming Conventions Continued

We can rename them the following way:

- jbr\_2017\_priceetal\_doinggoodanddoingbad
- jbr\_2018\_bhardwajetal\_whenandhowcsr
- jbr\_2019\_baskentlietal\_consumerreactionstocr
- jbe\_2014\_wolf\_relationship

**Note** we put the source initials first, so our folder will sort them by this name - but this method is not required. Rename your files in the way you would like your files to be organized and sorted.

# Example Naming

Name	Status	Date modified	Type	Size
 jbe_2014_wolf_relationship.pdf		6/24/2019 8:16 AM	Adobe Acrobat D...	263 KB
 jbr_2017_priceetal_doinggoodanddoingbad.pdf		6/24/2019 8:16 AM	Adobe Acrobat D...	762 KB
 jbr_2018_bhardwajetal_whenandhowcsr.pdf		6/24/2019 8:16 AM	Adobe Acrobat D...	684 KB
 jbr_2019_baskentlietal_consumerreactionstocsr.pdf		6/24/2019 8:16 AM	Adobe Acrobat D...	530 KB
 zzz_metadata.txt		6/24/2019 9:06 AM	Text Document	2 KB

# Example Metadata Organization

In a separate document or spreadsheet we should collect metadata. Again, there is no correct way to do this, but the following template may be used for each entry.

File name: jbr\_2017\_priceetal\_doinggoodanddoingbad

Author(s): Joseph M. Price and Wenbin Sun

Title: Doing Good and Doing Bad: The Impact of Corporate Social Responsibility and Irresponsibility on Firm Performance

Journal: Journal of Business Research

Volume & Issue: 80

Pages: 82-97

URL: <https://doi.org/10.1016/j.ibusres.2017.07.007>

If you put your metadata file into the same folder as your text, it is important to **distinguish the file** itself from your text data so we recommend naming the file: 'zzz\_metadata' so the file itself will be sorted to be last in your folder.

# Metadata Example

zzz\_metadata.txt - Notepad

File Edit Format View Help

File name: jbe\_2014\_wolf\_relationship

Author(s): Wolf, Julia

Title: The Relationship Between Sustainable Supply Chain Management, Stakeholder Pressure and Corporate Sustainability Performance

Journal: Journal of Business Ethics

Volume & Issue: 119 (3)

Pages: 317-328

Date: 2014

URL: <https://doi.org/10.1007/s10551-012-1603-0>

File name: jbr\_2017\_priceetal\_doinggoodanddoingbad

Author(s): Joseph M. Price and Wenbin Sun

Title: Doing Good and Doing Bad: The Impact of Corporate Social Responsibility and Irresponsibility on Firm Performance

Journal: Journal of Business Research

Volume & Issue: 80

Pages: 82-97

Date: 2017

URL: <https://doi.org/10.1016/j.jbusres.2017.07.007>

File name: jbr\_2018\_bhardwajetal\_whenandhowcsr

Author(s): Bhardwaj, Pradeep, Prabirendra Chatterjee, Kivilcim Dogerlioglu Demir, and Ozge Turu

Title: When and How is Corporate Social Responsibility Profitable?

Journal: Journal of Business Research

Volume & Issue: 84

Pages: 206-219

Date: 2018

URL: <https://doi.org/10.1016/j.jbusres.2017.11.026>

File name: jbr\_2019\_baskentlietal\_consumerreactionstocsr

Author(s): Baskentli, Sara, Sankar Sen, Shuili Du, and C.B. Bhattacharya

Title: Consumer Reactions to Corporate Social Responsibility: The Role of CSR Domains

Journal: Journal of Business Research

Volume & Issue: 95

Pages: 502-513

Date: 2019

URL: <https://doi.org/10.1016/j.jbusres.2018.07.046>

# Contact and Resources

If you have any questions, contact me at:

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To access these slides at any time, visit: [www.bit.ly/NUlabDTI](http://www.bit.ly/NUlabDTI)

Folder: textanalysis > **Insert proper folder name**