

# 25 years of Social Work Research

## *Summary of Data Cleaning Procedures*

### Overview

This document summarizes data cleaning procedures of the data file processed by the `ebscoBWR` function. It should be noted that the `ebscoBWR` function merged the search results from the first- and second-level searches performed on the three databases (psycInfo, Social Science Abstracts, and Social Work Abstract) hosted by the EbscoPlatform. This function merged all the search results, transformed the data into a structured data file, and removed all duplicate article records. No further transformations or cleaning was performed by the `ebscoBWR` function. Provided below are basic descriptive summaries of the results from the full search before further cleaning.

The main file for analysis is `fullDF.R`, and a separate file is just for psycInfo `psycInfoDF.R`. The same cleaning procedures need to be performed on both data files prior to analysis.

### Initialization of workspace

```
# Clear workspace
rm(list=ls())

# Load required packages
library(ggplot2)
library(dplyr)

# Read data files
#load("/Users/beperron/Git/SocialWorkResearch/Data/psycInfoDF.R")
load("/Users/beperron/Git/SocialWorkResearch/Data/fullDF.R")

# Set the working directory
setwd("/Users/beperron/Git/SocialWorkResearch/Data")

# Strip leading and trailing white-space on all records
full.df$record <- stringr::str_trim(full.df$record, side = "both")
```

### Pre-processing summary

Provided below is a summary of the datafile processed by `ebscoBWR` function before any cleaning procedures specifically for this project were employed, with the exception of resolving spelling errors or differences. For example, *Social Work With Groups* was exported as a separate journal than *Social Work with Groups* (note the capitalization difference in the word *with*.)

```
number.of.articles <- length(which(full.df$attributes == "article"))
range.of.years <- range(full.df$record[full.df$attributes == "pubYear"])
```

```
# Number of articles
cat(number.of.articles)
```

```
## 41165
```

```
# Range of years
cat(range.of.years)
```

```
## 1914 2015
```

|    | record   | N    |
|----|--|------|
| 1  | Administration in Social Work                    | 908  |
| 2  | Affilia  | 214  |
| 3  | American Journal of Preventive Medicine          | 6    |
| 4  | Australian Social Work                           | 301  |
| 5  | Behavior Modification                            | 6    |
| 6  | Brain and Cognition                              | 13   |
| 7  | British Journal of Psychiatric Social Work       | 67   |
| 8  | British Journal of Social Work                   | 1454 |
| 9  | Canadian Journal of Community Mental Health      | 9    |
| 10 | Canadian Journal on Aging                        | 4    |
| 11 | Canadian Social Work                             | 52   |
| 12 | Canadian Social Work Review                      | 147  |
| 13 | Child & Adolescent Social Work Journal           | 897  |
| 14 | Child & Family Social Work                       | 618  |
| 15 | Children & Schools                               | 267  |
| 16 | Clinical Social Work Journal                     | 1230 |
| 17 | Computers in Human Services                      | 209  |
| 18 | Contemporary Rural Social Work (Electronic only) | 33   |
| 19 | Early Child Development and Care                 | 12   |
| 20 | Early Education and Development                  | 7    |
| 21 | Employee Assistance Quarterly                    | 5    |
| 22 | Ethics and Social Welfare                        | 133  |
| 23 | Eugenics & Social Welfare Bull.                  | 2    |
| 24 | Eugenics and Social Welfare Bulletin             | 1    |
| 25 | European Journal of Social Work                  | 566  |
| 26 | Evaluation and Program Planning                  | 18   |
| 27 | Families in Society                              | 1759 |
| 28 | General Hospital Psychiatry                      | 2    |
| 29 | Health & Social Work                             | 1467 |
| 30 | Hospital Social Service                          | 4    |
| 31 | Human Service Organizations                      | 8    |
| 32 | Indian Journal of Psychiatric Social Work        | 31   |
| 33 | Indian Journal of Social Work                    | 366  |
| 34 | International Conference of Social Work          | 2    |
| 35 | International Journal of Social Welfare          | 399  |
| 36 | International Social Work                        | 1333 |
| 37 | Issues in Social Work Education                  | 1    |
| 38 | Journal of Analytic Social Work                  | 47   |
| 39 | Journal of Applied Behavioral Science            | 9    |
| 40 | Journal of Applied Rehabilitation Counseling     | 6    |
| 41 | Journal of Applied Social Sciences               | 47   |

|    |   |      |
|----|---|------|
| 42 | Journal of Baccalaureate Social Work                              | 82   |
| 43 | Journal of Community & Applied Social Psychology                  | 8    |
| 44 | Journal of Comparative Social Welfare                             | 66   |
| 45 | Journal of Ethnic & Cultural Diversity in Social Work             | 290  |
| 46 | Journal of Evidence-Based Social Work                             | 174  |
| 47 | Journal of Family Social Work                                     | 312  |
| 48 | Journal of Gerontological Social Work                             | 1572 |
| 49 | Journal of HIV/AIDS & Social Services                             | 241  |
| 50 | Journal of Human Behavior in the Social Environment               | 881  |
| 51 | Journal of Independent Social Work                                | 100  |
| 52 | Journal of Multicultural Social Work                              | 21   |
| 53 | Journal of Nonverbal Behavior                                     | 4    |
| 54 | Journal of Progressive Human Services                             | 106  |
| 55 | Journal of Psychiatric Social Work                                | 69   |
| 56 | Journal of Psychosocial Oncology                                  | 473  |
| 57 | Journal of Religion & Spirituality in Social Work                 | 227  |
| 58 | Journal of Social Casework  | 101  |
| 59 | Journal of Social Service Research                                | 883  |
| 60 | Journal of Social Welfare   | 25   |
| 61 | Journal of Social Work  | 290  |
| 62 | Journal of Social Work & Human Sexuality                          | 143  |
| 63 | Journal of Social Work Education                                  | 1104 |
| 64 | Journal of Social Work Practice                                   | 489  |
| 65 | Journal of Social Work Practice in the Addictions                 | 389  |
| 66 | Journal of Social Work Process                                    | 9    |
| 67 | Journal of Social Work Research and Evaluation                    | 99   |
| 68 | Journal of Social Work Values and Ethics                          | 50   |
| 69 | Journal of Social Work in Disability & Rehabilitation             | 153  |
| 70 | Journal of Social Work in End-of-Life & Palliative Care           | 170  |
| 71 | Journal of Sociology and Social Welfare                           | 1392 |
| 72 | Journal of Teaching in Social Work                                | 558  |
| 73 | Journal of Technology in Human Services                           | 317  |
| 74 | Journal of the Society for Social Work and Research               | 67   |
| 75 | Learning Disabilities Research & Practice                         | 6    |
| 76 | Maatskaplike Werk/Social Work                                     | 1    |
| 77 | Medical Social Work   | 3    |
| 78 | New York State Department of Social Welfare, Division Publication | 1    |
| 79 | PROFILE Issues in Teachers' Professional Development              | 51   |
| 80 | Pediatric Social Work   | 5    |
| 81 | Pennsylvania Social Work  | 1    |
| 82 | Practice  | 193  |
| 83 | Prevention in Human Services                                      | 187  |
| 84 | Proceedings of the National Conference of Social Work             | 26   |
| 85 | Psychoanalytic Social Work  | 164  |
| 86 | Psychotherapy   | 12   |
| 87 | Qualitative Social Work   | 321  |
| 88 | Reflections   | 847  |
| 89 | Research on Social Work Practice                                  | 1301 |
| 90 | Revista de Asistentia Sociala (Social Work Review)                | 263  |
| 91 | Rural Social Work   | 39   |
| 92 | School Social Work Journal  | 168  |
| 93 | School Social Work Quarterly                                      | 1    |
| 94 | Smith College Studies in Social Work                              | 1194 |
| 95 | Social Casework   | 1180 |

|     |  |      |
|-----|--|------|
| 96  | Social Development   | 747  |
| 97  | Social Development Issues                                  | 416  |
| 98  | Social Service   | 1    |
| 99  | Social Service Department, Presbyterian Hospital, New York | 1    |
| 100 | Social Service Monographs                                  | 1    |
| 101 | Social Service Review                                      | 1291 |
| 102 | Social Work  | 3036 |
| 103 | Social Work & Christianity                                 | 206  |
| 104 | Social Work Education                                      | 966  |
| 105 | Social Work Research                                       | 629  |
| 106 | Social Work Research & Abstracts                           | 152  |
| 107 | Social Work Technique                                      | 27   |
| 108 | Social Work Today  | 1    |
| 109 | Social Work With Groups                                    | 1031 |
| 110 | Social Work Yearbook                                       | 13   |
| 111 | Social Work and Social Sciences Review                     | 173  |
| 112 | Social Work in Education                                   | 89   |
| 113 | Social Work in Health Care                                 | 1536 |
| 114 | Social Work in Mental Health                               | 331  |
| 115 | Social Work in Public Health                               | 209  |
| 116 | Systems Research and Behavioral Science                    | 6    |
| 117 | Teaching and Teacher Education                             | 4    |
| 118 | The British Journal of Social Work                         | 459  |
| 119 | The Clinical Supervisor                                    | 11   |
| 120 | The Journal of Baccalaureate Social Work                   | 262  |
| 121 | The Scientific Review of Mental Health Practice            | 77   |
| 122 | University of Chicago Social Service Monograph             | 1    |

## Data cleaning

Inspection of the data indicated notable delays in indexing for the years 2014 and 2015. Therefore, these years were excluded from the current study. Thus, this study includes journals indexed through the end of 2013.

## Year specification

```
year.25 <- as.character(c(1900:1987, 2014, 2015))
years <- c("2014", "2015")
#ebSCO.remove <- full.df[full.df$record %in% years, ]
ebSCO.remove <- full.df[full.df$record %in% year.25, ]
ebSCO.remove <- ebSCO.remove[, "articleID"]
full.df <- full.df[!(full.df$articleID %in% ebSCO.remove),]
```

## Exclusion of journals not meeting supplemental search terms

The search for journals involved a two-stage process. It began by extracting all records from journals based on the social work journal list of Hodge and L (APA cite). Journals were excluded if they did not contain one of the major search terms from the supplemental list. The majority of these journals were captured in the supplemental search query because the journal used one of the supplemental search terms in a special

issue. The mission and scope of journals were also reviewed when it was unclear whether the journal was specific to social work research (e.g., *The Clinical Supervisor*). The supplemental search terms included:

- social work
- social welfare
- social casework (or social case work)
- social service
- human service
- social development
- social environment

```
exclusions.1 <- c(
  "American Journal of Preventive Medicine",
  "Behavior Modification",
  "Brain and Cognition",
  "Canadian Journal of Community Mental Health",
  "Canadian Journal on Aging",
  "Early Child Development and Care",
  "Early Education and Development",
  "Employee Assistance Quarterly",
  "Evaluation and Program Planning",
  "General Hospital Psychiatry",
  "International Review of Social Research",
  "Journal of Applied Behavioral Science",
  "Journal of Applied Rehabilitation Counseling",
  "Journal of Community & Applied Social Psychology",
  "Journal of Health & Human Services Administration",
  "Journal of Nonverbal Behavior",
  "Journal of Psychosomatic Research",
  "Learning Disabilities Research & Practice",
  "PROFILE Issues in Teachers' Professional Development",
  "Psychotherapy",
  "Systems Research and Behavioral Science",
  "Teaching and Teacher Education",
  "The Scientific Review of Mental Health Practice",
  "The Clinical Supervisor")

ebsco.remove <- full.df[full.df$record %in% exclusions.1, ]
ebsco.remove <- ebsco.remove[, "articleID"]
full.df <- full.df[!(full.df$articleID %in% ebsco.remove),]

rm(ebsco.remove)
```

## Exclusions of social work publications

Exclusions were then made any of the three criteria

- Journals that did not have clear evidence of a peer review process. This was based on a review of the journals mission, scope, and whether an editorial board or group could be identified.
- Journal titles that did not have any clear publication history based on a broad-based Internet search and other databases (e.g., ProQuest). These exclusions are assumed to be data entry problems at time of indexing.

- Journals that did not have at least one full year of indexed records (except journals that subsequently changed titles). This exclusionary criterion was consistent with the working definition of a social work journal.

```

exclusions.2 <- c(
  "Eugenics and Social Welfare Bulletin",
  "Eugenics & Social Welfare Bull.",
  "Issues in Social Work Education",
  "Hospital Social Service", #Confirmed nursing journal
  "International Conference of Social Work",
  "Journal of Social Work Process",
  "Maatskaplike Werk/Social Work",
  "Medical Social Work",
  "New York State Department of Social Welfare, Division Publication",
  "Pediatric Social Work",
  "Pennsylvania Social Work",
  "Proceedings of the National Conference of Social Work","Social Service",
  "Social Service Department, Presbyterian Hospital, New York",
  "Social Service Monographs",
  "School Social Work Quarterly",
  "Social Work Today",
  "Social Work Technique",
  "Social Work Today",
  "Social Work Yearbook",
  "Pennsylvania Social Work",
  "University of Chicago Social Service Monograph"
)

ebsco.remove <- full.df[full.df$record %in% exclusions.2, ]
ebsco.remove <- ebsco.remove[, "articleID"]
full.df <- full.df[!(full.df$articleID %in% ebsco.remove),]

rm(ebsco.remove, exclusions.2)

```

## Title merging

Some social work journals changed titles over their history. For example, *Families in Society* had three titles that preceded the current title: *Social Casework*, *Journal of Social Casework*, and *The Family*. The database that contributed the largest number of articles to the study database indexed the majority of journal titles under the journal's current name, and provided an additional data field for the historical name. However, historical names from Social Science Abstracts and Social Work Abstracts were not merged with the current name. Thus, the last step of the data cleaning procedures was to conduct these merges.

```

full.df$record <- ifelse(full.df$record ==
  "The British Journal of Psychiatric Social Work", # Old
  "British Journal of Social Work", # New title
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "Computers in Human Services", # Old title
  "Journal of Technology in Human Services", # New title
  full.df$record)

```

```

full.df$record <- ifelse(full.df$record ==
  "The Family" | full.df$record ==      # Old title
  "Journal of Social Casework" | full.df$record ==      # Old title
  "Social Casework",                    # Old title
  "Families in Society",                # New title
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "Social Work in Education",           # Old title
  "Children & Schools",                 # New title
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "Journal of Independent Social Work" | full.df$record ==      # New title
  "Journal of Analytic Social Work",                             # Old title
  "Psychoanalytic Social Work",                                  # Old title
  full.df$record)

# Journals were originally merged after suffixes were eliminated (after the
# colon). Thus, Practice: Social Work in Action (new title) was shortened to
# Practice (old title). This section resolves two of these issues to be
# consistent in the comparison with Hodge.

practice.temp <- grep("^Practice$", full.df$record)
full.df$record[practice.temp] <- "Practice: Social Work in Action"

practice.temp <- grep("^Reflections$", full.df$record)
full.df$record[practice.temp] <- "Reflections: Narratives of Professional Helping"

```

## Post-processing summary

### Revised database

This section provides a summary of the revised database after the initial processing with the `ebscoBWR` function and the subsequent data cleaning. An additional code is included in this summary to indicate whether the journal title overlaps with the list of Hodge (indicated by *H*).

Joining by: "articleID"

|  | title  | first | last | n    | H |
|--|--|-------|------|------|---|
|  | Administration in Social Work                    | 1988  | 2013 | 635  | Y |
|  | Affilia  | 2007  | 2013 | 188  | Y |
|  | Australian Social Work                           | 2006  | 2013 | 252  | Y |
|  | British Journal of Social Work                   | 1988  | 2013 | 1161 | Y |
|  | Canadian Social Work                             | 1999  | 2012 | 52   | Y |
|  | Canadian Social Work Review                      | 2005  | 2013 | 142  | Y |
|  | Child & Adolescent Social Work Journal           | 1988  | 2013 | 780  | Y |
|  | Child & Family Social Work                       | 1997  | 2013 | 573  | Y |
|  | Children & Schools                               | 2003  | 2013 | 242  | Y |
|  | Clinical Social Work Journal                     | 1988  | 2013 | 891  | Y |
|  | Contemporary Rural Social Work (Electronic only) | 2010  | 2013 | 27   | N |

|   |      |      |      |   |
|---|------|------|------|---|
| Ethics and Social Welfare                               | 2009 | 2013 | 115  | N |
| European Journal of Social Work                         | 2000 | 2013 | 489  | Y |
| Families in Society                                     | 1988 | 2013 | 1905 | Y |
| Health & Social Work                                    | 1988 | 2013 | 1041 | Y |
| International Journal of Social Welfare                 | 2000 | 2013 | 393  | Y |
| International Social Work                               | 1988 | 2013 | 1117 | Y |
| Journal of Applied Social Sciences                      | 1994 | 1999 | 47   | Y |
| Journal of Baccalaureate Social Work                    | 2005 | 2013 | 78   | Y |
| Journal of Comparative Social Welfare                   | 2006 | 2012 | 66   | Y |
| Journal of Ethnic & Cultural Diversity in Social Work   | 2000 | 2013 | 270  | Y |
| Journal of Evidence-Based Social Work                   | 2004 | 2013 | 156  | Y |
| Journal of Family Social Work                           | 1995 | 2013 | 305  | Y |
| Journal of Gerontological Social Work                   | 1988 | 2013 | 1292 | Y |
| Journal of HIV/AIDS & Social Services                   | 2005 | 2013 | 218  | Y |
| Journal of Human Behavior in the Social Environment     | 1997 | 2013 | 816  | Y |
| Journal of Multicultural Social Work                    | 1999 | 2000 | 23   | N |
| Journal of Progressive Human Services                   | 2000 | 2013 | 101  | Y |
| Journal of Psychosocial Oncology                        | 1996 | 2013 | 438  | Y |
| Journal of Religion & Spirituality in Social Work       | 2004 | 2013 | 201  | Y |
| Journal of Social Service Research                      | 1988 | 2013 | 649  | Y |
| Journal of Social Work                                  | 2001 | 2013 | 261  | Y |
| Journal of Social Work & Human Sexuality                | 1988 | 1993 | 45   | N |
| Journal of Social Work Education                        | 1990 | 2013 | 1024 | Y |
| Journal of Social Work Practice                         | 1999 | 2013 | 411  | Y |
| Journal of Social Work Practice in the Addictions       | 2001 | 2013 | 369  | Y |
| Journal of Social Work Research and Evaluation          | 2000 | 2005 | 99   | Y |
| Journal of Social Work Values and Ethics                | 2004 | 2012 | 50   | Y |
| Journal of Social Work in Disability & Rehabilitation   | 2001 | 2013 | 155  | N |
| Journal of Social Work in End-of-Life & Palliative Care | 2005 | 2013 | 161  | Y |
| Journal of Sociology and Social Welfare                 | 1988 | 2013 | 1007 | Y |
| Journal of Teaching in Social Work                      | 1988 | 2013 | 546  | Y |
| Journal of Technology in Human Services                 | 1988 | 2013 | 481  | Y |
| Journal of the Society for Social Work and Research     | 2010 | 2013 | 66   | N |
| Practice: Social Work in Action                         | 2005 | 2013 | 176  | Y |
| Prevention in Human Services                            | 1988 | 1993 | 93   | N |
| Psychoanalytic Social Work                              | 1988 | 2013 | 278  | Y |
| Qualitative Social Work                                 | 2002 | 2013 | 292  | Y |
| Reflections: Narratives of Professional Helping         | 1995 | 2013 | 851  | Y |
| Research on Social Work Practice                        | 1991 | 2013 | 1206 | Y |
| Revista de Asistentia Sociala (Social Work Review)      | 2010 | 2013 | 221  | N |
| Rural Social Work                                       | 2000 | 2004 | 39   | Y |
| School Social Work Journal                              | 2002 | 2013 | 156  | Y |
| Smith College Studies in Social Work                    | 1988 | 2013 | 527  | Y |
| Social Development                                      | 1992 | 2013 | 699  | N |
| Social Development Issues                               | 1992 | 2013 | 286  | Y |
| Social Service Review                                   | 1988 | 2013 | 810  | Y |
| Social Work   | 1988 | 2013 | 1724 | Y |
| Social Work & Christianity                              | 2005 | 2013 | 195  | Y |
| Social Work Education                                   | 1999 | 2013 | 879  | Y |
| Social Work Research                                    | 1994 | 2013 | 607  | Y |
| Social Work Research & Abstracts                        | 1988 | 1993 | 67   | N |
| Social Work With Groups                                 | 1988 | 2013 | 702  | Y |
| Social Work and Social Sciences Review                  | 1989 | 2013 | 177  | Y |
| Social Work in Health Care                              | 1988 | 2013 | 1115 | Y |



|  |      |      |     |   |
|--|------|------|-----|---|
| Social Work in Mental Health             | 2002 | 2013 | 303 | Y |
| Social Work in Public Health             | 2007 | 2013 | 196 | Y |
| The British Journal of Social Work       | 1988 | 2013 | 369 | N |
| The Journal of Baccalaureate Social Work | 1995 | 2013 | 262 | N |

## Intersection, Differences and Union

This section provides further comparison of the journal titles with Hodge by reporting on the *intersection*, *differences*, and *union* of the lists.

```
hodge <- readLines("/Users/beperron/Git/SocialWorkResearch/search_specifications/hodge.txt", n = -1)

unique.swHistory <- filter(full.df, attributes == "journal") %>%
  distinct(record)

hodge.swHistory.intersect <- intersect(hodge, unique.swHistory$record)

hodge.swHistory.diff <- setdiff(hodge, unique.swHistory$record)
swHistory.hodge.diff <- setdiff(unique.swHistory$record, hodge)

hodge.swHistory.union <- union(hodge, unique.swHistory$record)
```

This list shows which journal titles are common to both lists.

```
print(sort(hodge.swHistory.intersect))

## [1] "Administration in Social Work"
## [2] "Affilia"
## [3] "Australian Social Work"
## [4] "British Journal of Social Work"
## [5] "Canadian Social Work"
## [6] "Canadian Social Work Review"
## [7] "Child & Adolescent Social Work Journal"
## [8] "Child & Family Social Work"
## [9] "Children & Schools"
## [10] "Clinical Social Work Journal"
## [11] "European Journal of Social Work"
## [12] "Families in Society"
## [13] "Health & Social Work"
## [14] "International Journal of Social Welfare"
## [15] "International Social Work"
## [16] "Journal of Applied Social Sciences"
## [17] "Journal of Baccalaureate Social Work"
## [18] "Journal of Comparative Social Welfare"
## [19] "Journal of Ethnic & Cultural Diversity in Social Work"
## [20] "Journal of Evidence-Based Social Work"
## [21] "Journal of Family Social Work"
## [22] "Journal of Gerontological Social Work"
## [23] "Journal of HIV/AIDS & Social Services"
## [24] "Journal of Human Behavior in the Social Environment"
## [25] "Journal of Progressive Human Services"
```

```

## [26] "Journal of Psychosocial Oncology"
## [27] "Journal of Religion & Spirituality in Social Work"
## [28] "Journal of Social Service Research"
## [29] "Journal of Social Work"
## [30] "Journal of Social Work Education"
## [31] "Journal of Social Work in End-of-Life & Palliative Care"
## [32] "Journal of Social Work Practice"
## [33] "Journal of Social Work Practice in the Addictions"
## [34] "Journal of Social Work Research and Evaluation"
## [35] "Journal of Social Work Values and Ethics"
## [36] "Journal of Sociology and Social Welfare"
## [37] "Journal of Teaching in Social Work"
## [38] "Journal of Technology in Human Services"
## [39] "Practice: Social Work in Action"
## [40] "Psychoanalytic Social Work"
## [41] "Qualitative Social Work"
## [42] "Reflections: Narratives of Professional Helping"
## [43] "Research on Social Work Practice"
## [44] "Rural Social Work"
## [45] "School Social Work Journal"
## [46] "Smith College Studies in Social Work"
## [47] "Social Development Issues"
## [48] "Social Service Review"
## [49] "Social Work"
## [50] "Social Work & Christianity"
## [51] "Social Work and Social Sciences Review"
## [52] "Social Work Education"
## [53] "Social Work in Health Care"
## [54] "Social Work in Mental Health"
## [55] "Social Work in Public Health"
## [56] "Social Work Research"
## [57] "Social Work With Groups"

```

This list shows the articles on Hodge but not the current study.

```

sink(file = "JournalsMissed.txt")
print(sort(hodge.swHistory.diff))

```

```

## [1] "Advances in Social Work"
## [2] "Annual of Social Work"
## [3] "Arete"
## [4] "Asia Pacific Journal of Social Work and Development"
## [5] "Black Caucus"
## [6] "Caribbean Journal of Social Work"
## [7] "China Journal of Social Work"
## [8] "Critical Social Work"
## [9] "Electronic Journal of Social Work"
## [10] "Indian Journal of Social Work"
## [11] "IUC Journal of Social Work Theory and Practice"
## [12] "Japanese Journal of Social Services"
## [13] "Journal of Changsha Social Work"
## [14] "Journal of Forensic Social Work"
## [15] "Journal of Gay & Lesbian Social Services"

```

```
## [16] "Journal of Practice Teaching in Social Work and Health"
## [17] "Journal of Rural Social Work & Social Development"
## [18] "Journal of Social Work in Disability and Rehabilitation"
## [19] "Journal of Social Work in Long-Term Care"
## [20] "Professional Development"
## [21] "Social Work and Society"
## [22] "Social Work Forum"
## [23] "Social Work Review"
## [24] "The Hong Kong Journal of Social Work"
## [25] "The New Social Worker"
## [26] "The Social Worker/Le Travailleur Social"
## [27] "The Spirituality and Social Work Forum"
```

```
sink()
```

This list shows the articles on the current study but not on Hodge.

```
print(sort(swHistory.hodge.diff))
```

```
## [1] "Contemporary Rural Social Work (Electronic only)"
## [2] "Ethics and Social Welfare"
## [3] "Journal of Multicultural Social Work"
## [4] "Journal of Social Work & Human Sexuality"
## [5] "Journal of Social Work in Disability & Rehabilitation"
## [6] "Journal of the Society for Social Work and Research"
## [7] "Prevention in Human Services"
## [8] "Revista de Asistentia Sociala (Social Work Review)"
## [9] "Social Development"
## [10] "Social Work Research & Abstracts"
## [11] "The British Journal of Social Work"
## [12] "The Journal of Baccalaureate Social Work"
```

This list shows the union of lists – that is, a full list of all titles by combining a list. It would be useful to break out the former titles of journals, as well as the years of existence. This would establish a complete listing of all social work journals, both current and historical.

```
print(sort(hodge.swHistory.union))
```

```
## [1] "Administration in Social Work"
## [2] "Advances in Social Work"
## [3] "Affilia"
## [4] "Annual of Social Work"
## [5] "Arete"
## [6] "Asia Pacific Journal of Social Work and Development"
## [7] "Australian Social Work"
## [8] "Black Caucus"
## [9] "British Journal of Social Work"
## [10] "Canadian Social Work"
## [11] "Canadian Social Work Review"
## [12] "Caribbean Journal of Social Work"
## [13] "Child & Adolescent Social Work Journal"
## [14] "Child & Family Social Work"
```

## [15] "Children & Schools"  
 ## [16] "China Journal of Social Work"  
 ## [17] "Clinical Social Work Journal"  
 ## [18] "Contemporary Rural Social Work (Electronic only)"  
 ## [19] "Critical Social Work"  
 ## [20] "Electronic Journal of Social Work"  
 ## [21] "Ethics and Social Welfare"  
 ## [22] "European Journal of Social Work"  
 ## [23] "Families in Society"  
 ## [24] "Health & Social Work"  
 ## [25] "Indian Journal of Social Work"  
 ## [26] "International Journal of Social Welfare"  
 ## [27] "International Social Work"  
 ## [28] "IUC Journal of Social Work Theory and Practice"  
 ## [29] "Japanese Journal of Social Services"  
 ## [30] "Journal of Applied Social Sciences"  
 ## [31] "Journal of Baccalaureate Social Work"  
 ## [32] "Journal of Changsha Social Work"  
 ## [33] "Journal of Comparative Social Welfare"  
 ## [34] "Journal of Ethnic & Cultural Diversity in Social Work"  
 ## [35] "Journal of Evidence-Based Social Work"  
 ## [36] "Journal of Family Social Work"  
 ## [37] "Journal of Forensic Social Work"  
 ## [38] "Journal of Gay & Lesbian Social Services"  
 ## [39] "Journal of Gerontological Social Work"  
 ## [40] "Journal of HIV/AIDS & Social Services"  
 ## [41] "Journal of Human Behavior in the Social Environment"  
 ## [42] "Journal of Multicultural Social Work"  
 ## [43] "Journal of Practice Teaching in Social Work and Health"  
 ## [44] "Journal of Progressive Human Services"  
 ## [45] "Journal of Psychosocial Oncology"  
 ## [46] "Journal of Religion & Spirituality in Social Work"  
 ## [47] "Journal of Rural Social Work & Social Development"  
 ## [48] "Journal of Social Service Research"  
 ## [49] "Journal of Social Work"  
 ## [50] "Journal of Social Work & Human Sexuality"  
 ## [51] "Journal of Social Work Education"  
 ## [52] "Journal of Social Work in Disability & Rehabilitation"  
 ## [53] "Journal of Social Work in Disability and Rehabilitation"  
 ## [54] "Journal of Social Work in End-of-Life & Palliative Care"  
 ## [55] "Journal of Social Work in Long-Term Care"  
 ## [56] "Journal of Social Work Practice"  
 ## [57] "Journal of Social Work Practice in the Addictions"  
 ## [58] "Journal of Social Work Research and Evaluation"  
 ## [59] "Journal of Social Work Values and Ethics"  
 ## [60] "Journal of Sociology and Social Welfare"  
 ## [61] "Journal of Teaching in Social Work"  
 ## [62] "Journal of Technology in Human Services"  
 ## [63] "Journal of the Society for Social Work and Research"  
 ## [64] "Practice: Social Work in Action"  
 ## [65] "Prevention in Human Services"  
 ## [66] "Professional Development"  
 ## [67] "Psychoanalytic Social Work"  
 ## [68] "Qualitative Social Work"

```
## [69] "Reflections: Narratives of Professional Helping"
## [70] "Research on Social Work Practice"
## [71] "Revista de Asistentă Socială (Social Work Review)"
## [72] "Rural Social Work"
## [73] "School Social Work Journal"
## [74] "Smith College Studies in Social Work"
## [75] "Social Development"
## [76] "Social Development Issues"
## [77] "Social Service Review"
## [78] "Social Work"
## [79] "Social Work & Christianity"
## [80] "Social Work and Social Sciences Review"
## [81] "Social Work and Society"
## [82] "Social Work Education"
## [83] "Social Work Forum"
## [84] "Social Work in Health Care"
## [85] "Social Work in Mental Health"
## [86] "Social Work in Public Health"
## [87] "Social Work Research"
## [88] "Social Work Research & Abstracts"
## [89] "Social Work Review"
## [90] "Social Work With Groups"
## [91] "The British Journal of Social Work"
## [92] "The Hong Kong Journal of Social Work"
## [93] "The Journal of Baccalaureate Social Work"
## [94] "The New Social Worker"
## [95] "The Social Worker/Le Travaillleur Social"
## [96] "The Spirituality and Social Work Forum"
```

## Descriptive summary of records

```
number.of.articles <- length(which(full.df$attributes == "article"))
range.of.years <- range(full.df$record[full.df$attributes == "pubYear"])
```

```
# Number of articles
cat(number.of.articles)
```

```
## 31348
```

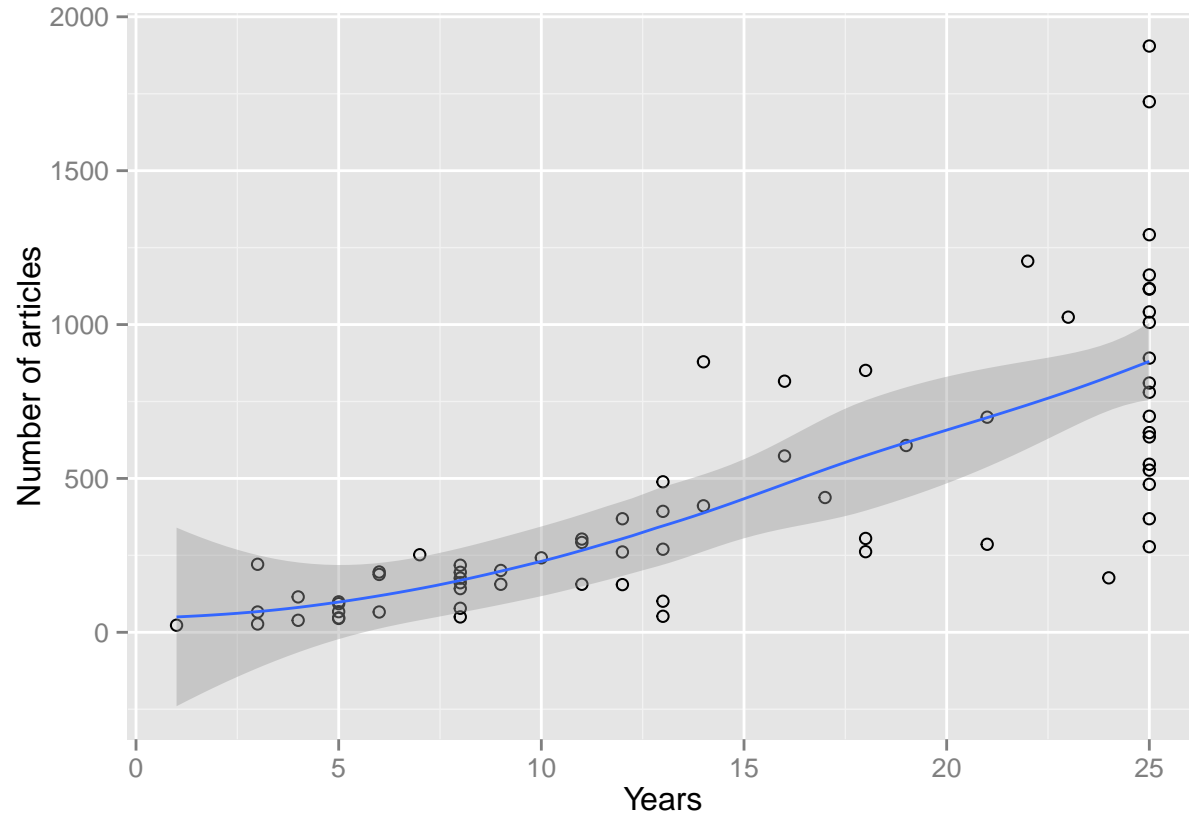
```
# Range of years
cat(range.of.years)
```

```
## 1988 2013
```

```
cor.data <- select(final.list, first, last, n) %>%
  mutate(no.years = as.numeric(last) - as.numeric(first))

ggplot(cor.data, aes(x = no.years, y = n)) +
  geom_point(shape = 1) +
  geom_smooth() +
  xlab("Years") +
  ylab("Number of articles")
```

```
## geom_smooth: method="auto" and size of largest group is <1000, so using loess. Use 'method = x' to cl
```



```
cor(cor.data$no.years, cor.data$n)
```

```
## [1] 0.7531
```