

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 `ebSCO_BWR` function. It should be noted that that `ebSCO_BWR` 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 `ebSCO_BWR` function. Provided below are basic descriptive summaries of the results from the full search before further cleaning.

The main file for analysis is `fullIDF.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/ebSCO_FULL.R")
load("/Users/beperron/Git/SocialWorkResearch/Data/proQuest.R")
load("/Users/beperron/Git/SocialWorkResearch/Data/PsycInfo.R")
hodge <- readLines("/Users/beperron/Git/SocialWorkResearch/search_specifications/hodge.txt", n = -1)
#load("/Users/SSW/Documents/GitHub/SocialWork100Years/Data/ebSCO_FULL.R")
#load("/Users/SSW/Documents/GitHub/SocialWork100Years/Data/proQuest.R")
#load("/Users/SSW/Documents/GitHub/SocialWork100Years/Data/ebSCO_PsycInfo.R")
```

Combines EbscoHost and ProQuest

This section ... wrangles and eliminates duplicate article titles

```
#Creates variable with highest article ID from ebSCOhost database
ebSCO_IDmax<-max(ebSCO_BWR.df$articleID)

#Recodes article ID in ProQuest database in advance of merger with ebSCOhost
proQuestBWR.df<-mutate(proQuestBWR.df, articleID=articleID+ebSCO_IDmax)

#Creates data frames that contain only article ID and titles from respective
#databases
```

```

ebscoTitles<-filter(ebscoBWR.df, attributes=="article")
proTitles<-filter(proQuestBWR.df, attributes=="article")

#Combines titles into single data frame
jointTitles<-rbind(ebscoTitles, proTitles)

#Forces article title text to lower case
jointTitles$record<-tolower(jointTitles$record)

#Strips out white space and punctuation to ensure small differences in data
#entry are detected during duplicate elimination
jointTitles$record<-gsub(" ","", jointTitles$record)

jointTitles$record<-gsub("[[:punct:]]", "", jointTitles$record)

jointTitles<- jointTitles[duplicated(jointTitles$record), ]

#Screen out duplicated records by articleID. The articleID must be used
#because the duplicate title contains other article attributes
jointTitles.dup.ID <- jointTitles$articleID

#Combines EbscoHost and ProQuest Wrangles, and strips out article attributes
#from duplicate entries
combined.DF<-rbind(ebscoBWR.df, proQuestBWR.df)
full.df<-combined.DF[!(combined.DF$articleID %in% jointTitles.dup.ID), ]

```

Data cleaning and pre-processing

Narrow results to past 25 years

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.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),]

full.df$record <- ifelse(full.df$record ==
  "The British Journal of Social Work",          # Spelling difference
  "British Journal of Social Work",
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "Revista de Asistentă Socială (Social Work Review)",
  "Social Work Review",
  full.df$record)

```

```

full.df$record <- gsub("Arete", "xxx", full.df$record)
full.df$record <- gsub("Aret.{1,3}", "Arete", full.df$record)
full.df$record <- gsub("xxx", "Arete", full.df$record)
                                #Replaces special character
                                #in Arete and preserves other formatting

full.df$record <- ifelse(full.df$record ==
  "Journal of Gay and Lesbian Social Services",      #Spelling difference
  "Journal of Gay & Lesbian Social Services",
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "Canadian Social Work Review/Revue canadienne de service social",
  "Canadian Social Work Review",
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "INDIAN JOURNAL OF SOCIAL WORK",                    #Spelling difference
  "Indian Journal of Social Work",
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "The Indian Journal of Social Work",                #Spelling difference
  "Indian Journal of Social Work",
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "Asia Pacific Journal of Social Work",              #Spelling difference
  "Asia Pacific Journal of Social Work and Development",
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "Social Work & Society",                            #Spelling difference
  "Social Work and Society",
  full.df$record)

full.df$record <- ifelse(full.df$record ==
  "Journal of Social Work in Disability & Rehabilitation",
  "Journal of Social Work in Disability and Rehabilitation",
  full.df$record)
                                #Spelling difference

full.df$record <- ifelse(full.df$record ==
  "Hong Kong Journal of Social Work",
  "The Hong Kong Journal of Social Work",
  full.df$record)
                                #Spelling difference

full.df$record <- ifelse(full.df$record ==
  "The Journal of Baccalaureate Social Work",
  "Journal of Baccalaureate Social Work",
  full.df$record)
                                #Spelling difference

full.df$record <- ifelse(full.df$record ==
  "Journal of Practice Teaching in Health and Social Work",

```

```

    "Journal of Practice Teaching in Social Work and Health",
    full.df$record)          #Spelling difference

full.df$record <- ifelse(full.df$record ==
    "Professional Development: The International Journal of Continuing Social Work Education",
    "Professional Development",
    full.df$record)          #Spelling difference

```

Initial descriptive summary

```

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)

```

```
## 35800
```

```

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

```

```
## 1988 2013
```

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",
"Professional Development in Education",
"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",
"Arete: Revista de Filosofia",
"Arete Revista de Filosofia")

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

- 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(
  "Issues in Social Work Education",
  "Maatskaplike Werk/Social Work",
  "Pediatric Social Work",
  "Critical Social Work"
)

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)

```

Fix journal titles

Additional pre-processing was conducted on journal titles to resolve spelling errors or other minor title differences in the database. 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*.) We also applied a global substitution of *and* with *&*, as this was a common source for differences.

		record	N
1	Administration in Social Work	1524	
2	Advances in Social Work	239	
3	Affilia	186	
4	Arete	213	
5	Asia Pacific Journal of Social Work & Development	37	
6	Australian Social Work	372	
7	British Journal of Social Work	3215	
8	Canadian Social Work	103	
9	Canadian Social Work Review	519	
10	Child & Adolescent Social Work Journal	728	
11	Child & Family Social Work	571	
12	Children & Schools	239	
13	China Journal of Social Work	98	
14	Clinical Social Work Journal	824	
15	Computers in Human Services	179	
16	Contemporary Rural Social Work	54	
17	Ethics & Social Welfare	115	
18	European Journal of Social Work	901	
19	Families in Society	2759	
20	Health & Social Work	2602	
21	Indian Journal of Social Work	763	
22	International Journal of Social Welfare	388	
23	International Social Work	2289	
24	Journal of Analytic Social Work	47	
25	Journal of Applied Social Sciences	47	
26	Journal of Baccalaureate Social Work	614	
27	Journal of Comparative Social Welfare	132	
28	Journal of Ethnic & Cultural Diversity in Social Work	543	
29	Journal of Evidence-Based Social Work	298	
30	Journal of Family Social Work	597	
31	Journal of Gay & Lesbian Social Services	518	
32	Journal of Gerontological Social Work	2962	
33	Journal of HIV/AIDS & Social Services	218	
34	Journal of Human Behavior in the Social Environment	1567	
35	Journal of Independent Social Work	74	
36	Journal of Multicultural Social Work	21	
37	Journal of Practice Teaching in Social Work & Health	40	
38	Journal of Practice Teaching in Social Work & Practice	27	
39	Journal of Progressive Human Services	98	
40	Journal of Psychosocial Oncology	627	
41	Journal of Religion & Spirituality in Social Work	442	
42	Journal of Social Service Research	1517	
43	Journal of Social Work	297	
44	Journal of Social Work & Human Sexuality	45	
45	Journal of Social Work Education	995	
46	Journal of Social Work Practice	382	
47	Journal of Social Work Practice in the Addictions	798	
48	Journal of Social Work Research & Evaluation	99	
49	Journal of Social Work Values & Ethics	108	
50	Journal of Social Work in Disability & Rehabilitation	306	
51	Journal of Social Work in End-of-Life & Palliative Care	339	
52	Journal of Sociology & Social Welfare	2108	
53	Journal of Teaching in Social Work	1087	

54	Journal of Technology in Human Services	426
55	Journal of the Society for Social Work & Research	65
56	Practice	176
57	Prevention in Human Services	91
58	Professional Development	218
59	Psychoanalytic Social Work	154
60	Qualitative Social Work	290
61	Reflections	852
62	Research on Social Work Practice	2427
63	Rural Social Work	39
64	School Social Work Journal	155
65	Smith College Studies in Social Work	1193
66	Social Casework	164
67	Social Development	691
68	Social Development Issues	477
69	Social Service Review	2014
70	Social Work	4295
71	Social Work & Christianity	193
72	Social Work & Social Sciences Review	358
73	Social Work & Society	220
74	Social Work Education	844
75	Social Work Forum	27
76	Social Work Research	1422
77	Social Work Research & Abstracts	67
78	Social Work Review	439
79	Social Work With Groups	1552
80	Social Work in Health Care	2678
81	Social Work in Mental Health	628
82	Social Work in Public Health	386
83	The Hong Kong Journal of Social Work	159

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 Pyschiatric Social Work" |
  full.df$record ==
  "The British Journal of Social Work", # Old
  "British Journal of Social Work",    # New title
  full.df$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)

full.df$record <- ifelse(full.df$record ==
  "Journal of Practice Teaching in Social Work and Practice", #Old title
  "Journal of Practice Teaching in Social Work and Health",   #New 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	1524	Y
	Advances in Social Work	2000	2012	239	Y
	Affilia	2007	2013	186	Y
	Arete	1988	2005	213	Y
	Asia Pacific Journal of Social Work & Development	1997	2003	37	Y
	Australian Social Work	2006	2013	372	Y

British Journal of Social Work	1988	2013	3215	Y
Canadian Social Work	1999	2012	103	Y
Canadian Social Work Review	1988	2013	519	Y
Child & Adolescent Social Work Journal	1988	2013	728	Y
Child & Family Social Work	1997	2013	571	Y
Children & Schools	2003	2013	239	Y
China Journal of Social Work	2009	2013	98	Y
Clinical Social Work Journal	1988	2013	824	Y
Contemporary Rural Social Work	2010	2013	54	N
Ethics & Social Welfare	2009	2013	115	N
European Journal of Social Work	2000	2013	901	Y
Families in Society	1988	2013	2923	Y
Health & Social Work	1988	2013	2602	Y
Indian Journal of Social Work	1988	2012	763	Y
International Journal of Social Welfare	2000	2013	388	Y
International Social Work	1988	2013	2289	Y
Journal of Applied Social Sciences	1994	1999	47	Y
Journal of Baccalaureate Social Work	1995	2013	614	Y
Journal of Comparative Social Welfare	2006	2012	132	Y
Journal of Ethnic & Cultural Diversity in Social Work	2000	2013	543	Y
Journal of Evidence-Based Social Work	2004	2013	298	Y
Journal of Family Social Work	1995	2013	597	Y
Journal of Gay & Lesbian Social Services	1994	2013	518	Y
Journal of Gerontological Social Work	1988	2013	2962	Y
Journal of HIV/AIDS & Social Services	2005	2013	218	Y
Journal of Human Behavior in the Social Environment	1997	2013	1567	Y
Journal of Multicultural Social Work	1999	2000	21	N
Journal of Practice Teaching in Social Work & Health	1999	2005	40	Y
Journal of Practice Teaching in Social Work & Practice	1998	2000	27	N
Journal of Progressive Human Services	2000	2013	98	Y
Journal of Psychosocial Oncology	1988	2013	627	Y
Journal of Religion & Spirituality in Social Work	2004	2013	442	Y
Journal of Social Service Research	1988	2013	1517	Y
Journal of Social Work	2001	2013	297	Y
Journal of Social Work & Human Sexuality	1988	1993	45	N
Journal of Social Work Education	1990	2013	995	Y
Journal of Social Work Practice	1999	2013	382	Y
Journal of Social Work Practice in the Addictions	2001	2013	798	Y
Journal of Social Work Research & Evaluation	2000	2005	99	Y
Journal of Social Work Values & Ethics	2004	2012	108	Y
Journal of Social Work in Disability & Rehabilitation	2001	2013	306	Y
Journal of Social Work in End-of-Life & Palliative Care	2005	2013	339	Y
Journal of Sociology & Social Welfare	1988	2013	2108	Y
Journal of Teaching in Social Work	1988	2013	1087	Y
Journal of Technology in Human Services	1988	2013	605	Y
Journal of the Society for Social Work & Research	2010	2013	65	N
Practice: Social Work in Action	2005	2013	176	Y
Prevention in Human Services	1988	1993	91	N
Professional Development	1998	2012	218	Y
Psychoanalytic Social Work	1988	2013	275	Y
Qualitative Social Work	2002	2013	290	Y
Reflections: Narratives of Professional Helping	1995	2013	852	Y
Research on Social Work Practice	1991	2013	2427	Y
Rural Social Work	2000	2004	39	Y

School Social Work Journal	2002	2013	155	Y
Smith College Studies in Social Work	1988	2013	1193	Y
Social Development	1992	2013	691	N
Social Development Issues	1992	2013	477	Y
Social Service Review	1988	2013	2014	Y
Social Work	1988	2013	4295	Y
Social Work & Christianity	2005	2013	193	Y
Social Work & Social Sciences Review	1989	2013	358	Y
Social Work & Society	2003	2012	220	Y
Social Work Education	1999	2013	844	Y
Social Work Forum	2004	2009	27	Y
Social Work Research	1994	2013	1422	Y
Social Work Research & Abstracts	1988	1993	67	N
Social Work Review	2010	2013	439	Y
Social Work With Groups	1988	2013	1552	Y
Social Work in Health Care	1988	2013	2678	Y
Social Work in Mental Health	2002	2013	628	Y
Social Work in Public Health	2007	2013	386	Y
The Hong Kong Journal of Social Work	1993	2012	159	Y

Comparison with Hodge

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

Intersection

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

```
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)

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

```
## [1] "Administration in Social Work"
## [2] "Advances in Social Work"
## [3] "Affilia"
## [4] "Arete"
## [5] "Asia Pacific Journal of Social Work & Development"
## [6] "Australian Social Work"
## [7] "British Journal of Social Work"
## [8] "Canadian Social Work"
## [9] "Canadian Social Work Review"
## [10] "Child & Adolescent Social Work Journal"
```

[11] "Child & Family Social Work"
 ## [12] "Children & Schools"
 ## [13] "China Journal of Social Work"
 ## [14] "Clinical Social Work Journal"
 ## [15] "European Journal of Social Work"
 ## [16] "Families in Society"
 ## [17] "Health & Social Work"
 ## [18] "Indian Journal of Social Work"
 ## [19] "International Journal of Social Welfare"
 ## [20] "International Social Work"
 ## [21] "Journal of Applied Social Sciences"
 ## [22] "Journal of Baccalaureate Social Work"
 ## [23] "Journal of Comparative Social Welfare"
 ## [24] "Journal of Ethnic & Cultural Diversity in Social Work"
 ## [25] "Journal of Evidence-Based Social Work"
 ## [26] "Journal of Family Social Work"
 ## [27] "Journal of Gay & Lesbian Social Services"
 ## [28] "Journal of Gerontological Social Work"
 ## [29] "Journal of HIV/AIDS & Social Services"
 ## [30] "Journal of Human Behavior in the Social Environment"
 ## [31] "Journal of Practice Teaching in Social Work & Health"
 ## [32] "Journal of Progressive Human Services"
 ## [33] "Journal of Psychosocial Oncology"
 ## [34] "Journal of Religion & Spirituality in Social Work"
 ## [35] "Journal of Social Service Research"
 ## [36] "Journal of Social Work"
 ## [37] "Journal of Social Work Education"
 ## [38] "Journal of Social Work in Disability & Rehabilitation"
 ## [39] "Journal of Social Work in End-of-Life & Palliative Care"
 ## [40] "Journal of Social Work Practice"
 ## [41] "Journal of Social Work Practice in the Addictions"
 ## [42] "Journal of Social Work Research & Evaluation"
 ## [43] "Journal of Social Work Values & Ethics"
 ## [44] "Journal of Sociology & Social Welfare"
 ## [45] "Journal of Teaching in Social Work"
 ## [46] "Journal of Technology in Human Services"
 ## [47] "Practice: Social Work in Action"
 ## [48] "Professional Development"
 ## [49] "Psychoanalytic Social Work"
 ## [50] "Qualitative Social Work"
 ## [51] "Reflections: Narratives of Professional Helping"
 ## [52] "Research on Social Work Practice"
 ## [53] "Rural Social Work"
 ## [54] "School Social Work Journal"
 ## [55] "Smith College Studies in Social Work"
 ## [56] "Social Development Issues"
 ## [57] "Social Service Review"
 ## [58] "Social Work"
 ## [59] "Social Work & Christianity"
 ## [60] "Social Work & Social Sciences Review"
 ## [61] "Social Work & Society"
 ## [62] "Social Work Education"
 ## [63] "Social Work Forum"
 ## [64] "Social Work in Health Care"

```
## [65] "Social Work in Mental Health"
## [66] "Social Work in Public Health"
## [67] "Social Work Research"
## [68] "Social Work Review"
## [69] "Social Work With Groups"
## [70] "The Hong Kong Journal of Social Work"
```

Differences

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

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

```
## [1] "Annual of Social Work"
## [2] "Black Caucus"
## [3] "Caribbean Journal of Social Work"
## [4] "Critical Social Work"
## [5] "Electronic Journal of Social Work"
## [6] "IUC Journal of Social Work Theory & Practice"
## [7] "Japanese Journal of Social Services"
## [8] "Journal of Changsha Social Work"
## [9] "Journal of Forensic Social Work"
## [10] "Journal of Rural Social Work & Social Development"
## [11] "Journal of Social Work in Long-Term Care"
## [12] "The New Social Worker"
## [13] "The Social Worker/Le Travaillleur Social"
## [14] "The Spirituality & Social Work Forum"
```

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

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

```
## [1] "Contemporary Rural Social Work"
## [2] "Ethics & Social Welfare"
## [3] "Journal of Multicultural Social Work"
## [4] "Journal of Practice Teaching in Social Work & Practice"
## [5] "Journal of Social Work & Human Sexuality"
## [6] "Journal of the Society for Social Work & Research"
## [7] "Prevention in Human Services"
## [8] "Social Development"
## [9] "Social Work Research & Abstracts"
```

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)
```

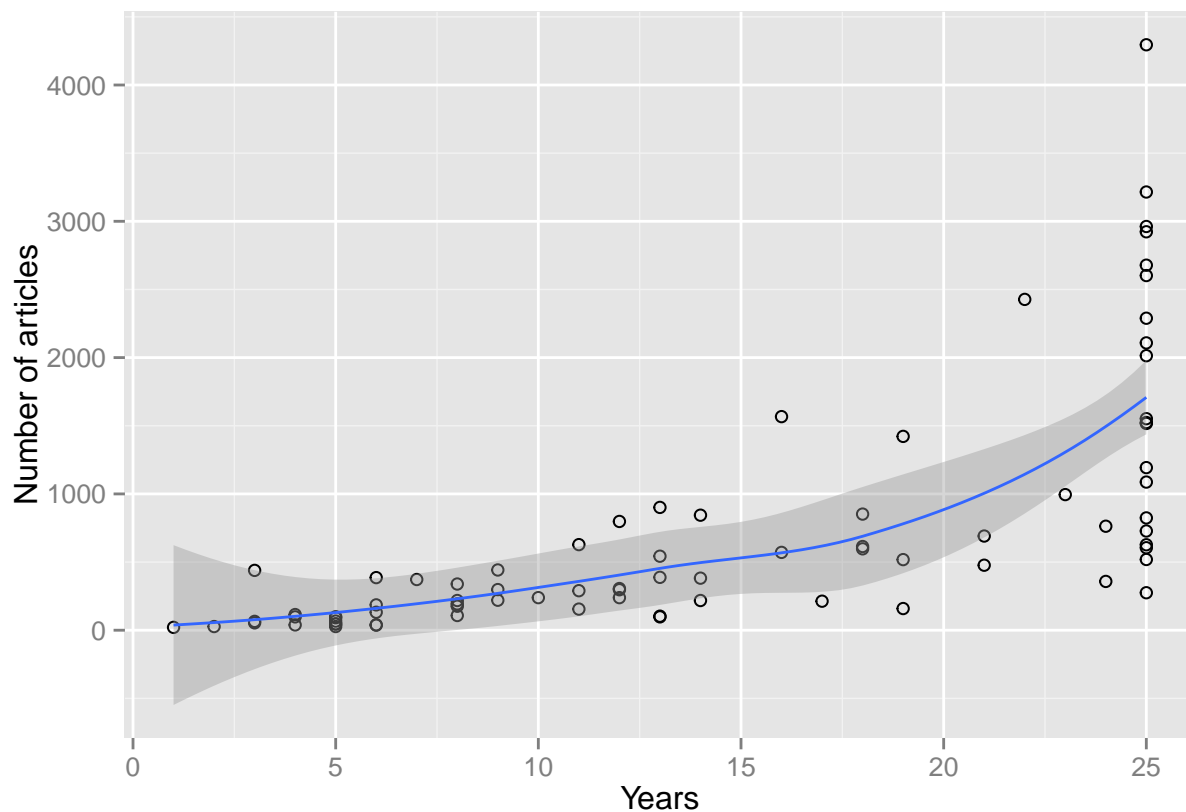
```
## 35225
```

```
# 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] 0.6864
```

The following evaluation argument in the chunk is set to FALSE. Set this function to TRUE to process CSV files of the target journals for inspection. CSV files are named by the journal title. Be sure to use the exact spelling of the journal as it is contained in the data files. Set the other arguments to TRUE if you want additional fields to be included. Please note that it will save the files to your current working directory, which is not specified in this Markdown document.

```

journalArticleFinder.f <- function(journalTitle, keyword = FALSE,
                                   authorAff = FALSE, abstract = FALSE){
  article.search <- which(full.df$record == journalTitle)
  article.search <- full.df[article.search,]
  article.search.ID <- select(article.search, articleID)
  target.ID <- full.df$articleID %in% article.search.ID$articleID
  journal.article.df <- full.df[target.ID, ]
  if(keyword == FALSE){journal.article.df <- filter(journal.article.df, attributes != "keyWord")}
  if(authorAff == FALSE){journal.article.df <- filter(journal.article.df, attributes != "authorAff")}
  if(abstract == FALSE){journal.article.df <- filter(journal.article.df, attributes != "abstract")}
  x.shortened <- gsub(" ", "", journalTitle)
  write.csv(journal.article.df, file = paste0(x.shortened, ".csv"), row.names=F)
}

journalArticleFinder.f("Research on Social Work Practice")
journalArticleFinder.f("Social Work")

```