History of Social Work Research

Summary of Data Cleaning Procedures

# Overview

This document summarizes data cleaning procedures of the data file processed by the ebscoBWR fucntion. It should be noted that that 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 Asistenta 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

years <- c("2014", "2015")  
ebsco.remove <- full.df[full.df$record %in% years, ]  
ebsco.remove <- ebsco.remove[, "articleID"]  
full.df <- full.df[!(full.df$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 (e.g., due to an indexing error). This exclusion was based on errors in data entry.
* 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 Multicultural Social Work",  
 "Journal of Social Work Process",  
 "Journal of Teaching in Social Work",   
 "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",  
 "The New Social Worker",  
 "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 Social Work", # Old title  
 "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$record == "Journal of Analytic Social Work", "Psychoanalytic Social Work",   
 full.df$record)

# Coverage via Hodge article

hodge <- readLines("/Users/beperron/Git/SocialWorkResearch/search\_specifications/hodge.txt", n = -1)  
  
unique.titles <- filter(full.df, attributes == "journal") %>%  
 group\_by(record) %>%  
 summarise(  
 N = n())  
print.data.frame(unique.titles, rowNames=FALSE)

# Post-processing summary

* to do ... summary with hodge list

Joining by: "articleID"

title first last n H  
 Administration in Social Work 1977 2013 909 Y  
 Affilia 2007 2013 188 Y  
 Australian Social Work 2006 2013 252 Y  
 British Journal of Psychiatric Social Work 1953 1970 69 N  
 British Journal of Social Work 1970 2013 1840 Y  
 Canadian Social Work 1999 2012 52 Y  
 Canadian Social Work Review 2005 2013 142 Y  
 Child & Adolescent Social Work Journal 1984 2013 859 Y  
 Child & Family Social Work 1997 2013 573 Y  
 Children & Schools 1982 2013 333 Y  
 Clinical Social Work Journal 1973 2013 1193 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 1946 2013 3023 Y  
 Health & Social Work 1976 2013 1444 Y  
 Indian Journal of Psychiatric Social Work 1972 1977 31 N  
 Indian Journal of Social Work 1941 1986 369 Y  
 International Journal of Social Welfare 2000 2013 393 Y  
 International Social Work 1975 2013 1250 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 45 Y  
 Journal of Evidence-Based Social Work 2004 2013 154 Y  
 Journal of Family Social Work 1995 2013 305 Y  
 Journal of Gerontological Social Work 1979 2013 1517 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 Progressive Human Services 2000 2013 99 Y  
 Journal of Psychiatric Social Work 1952 1955 70 N  
 Journal of Psychosocial Oncology 1996 2013 438 Y  
 Journal of Religion & Spirituality in Social Work 2004 2013 201 Y  
 Journal of Social Service Research 1977 2013 836 Y  
 Journal of Social Welfare 1975 1983 26 N  
 Journal of Social Work 1964 2013 265 Y  
 Journal of Social Work & Human Sexuality 1982 1993 144 N  
 Journal of Social Work Education 1990 2013 1024 Y  
 Journal of Social Work Practice 1983 2013 459 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 1974 2013 1363 Y  
 Journal of Technology in Human Services 1985 2013 513 Y  
 Journal of the Society for Social Work and Research 2010 2013 66 N  
 Practice 2005 2013 176 N  
 Prevention in Human Services 1981 1993 193 N  
 Psychoanalytic Social Work 1986 2013 304 Y  
 Qualitative Social Work 2002 2013 292 Y  
 Reflections 1995 2013 851 N  
 Research on Social Work Practice 1991 2013 1206 Y  
 Revista de Asistenta 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 1930 2013 1181 Y  
 Social Development 1992 2013 699 N  
 Social Development Issues 1978 2013 404 Y  
 Social Service Review 1927 2013 1278 Y  
 Social Work 1948 2013 3001 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 1982 1993 156 N  
 Social Work With Groups 1978 2013 1000 Y  
 Social Work and Social Sciences Review 1989 2013 177 Y  
 Social Work in Health Care 1975 2013 1492 Y  
 Social Work in Mental Health 2002 2013 303 Y  
 Social Work in Public Health 2007 2013 196 Y  
 The Journal of Baccalaureate Social Work 1995 2013 262 N

### Intersection of journal titles  
  
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$record)  
hodge.swHistory.union <- union(hodge, unique.swHistory$record)  
  
hodge.swHistory.diff <- setdiff(hodge, unique.swHistory$record)  
swHistory.hodge.diff <- setdiff(unique.swHistory$record, hodge)  
  
  
  
  
  
  
overlap.with.hodge <- unique.swHistory$record %in% hodge  
hodge[overlap.with.hodge]

## [1] "British Journal of Social Work"   
## [2] "Social Work"   
## [3] "Child & Family Social Work"   
## [4] "Social Service Review"   
## [5] "Research on Social Work Practice"   
## [6] "Health & Social Work"   
## [7] "International Journal of Social Welfare"   
## [8] "Families in Society"   
## [9] "Journal of Social Work Education"   
## [10] "Child & Adolescent Social Work Journal"   
## [11] "Social Work in Health Care"   
## [12] "Social Work Education"   
## [13] "Journal of Gerontological Social Work"   
## [14] "Administration in Social Work"   
## [15] "Qualitative Social Work"   
## [16] "Journal of Social Work"   
## [17] "Journal of Gay & Lesbian Social Services"   
## [18] "Journal of Sociology and Social Welfare"   
## [19] "International Social Work"   
## [20] "European Journal of Social Work"   
## [21] "Australian Social Work"   
## [22] "Journal of Social Service Research"   
## [23] "Journal of Technology in Human Services"   
## [24] "Social Work in Public Health"   
## [25] "Journal of Social Work Practice in the Addictions"   
## [26] "Journal of Teaching in Social Work"   
## [27] "Practice: Social Work in Action"   
## [28] "Journal of Religion & Spirituality in Social Work"   
## [29] "Journal of Family Social Work"   
## [30] "Social Work in Mental Health"   
## [31] "Canadian Social Work Review"   
## [32] "Journal of Social Work Research and Evaluation"   
## [33] "Social Work and Social Sciences Review"   
## [34] "Critical Social Work"   
## [35] "Journal of Evidence-Based Social Work"   
## [36] "Journal of Social Work in Long-Term Care"   
## [37] "Journal of HIV/AIDS & Social Services"   
## [38] "Social Work and Society"   
## [39] "Journal of Social Work in End-of-Life & Palliative Care"  
## [40] "Journal of Progressive Human Services"   
## [41] "Journal of Psychosocial Oncology"   
## [42] "Advances in Social Work"   
## [43] "Psychoanalytic Social Work"   
## [44] "Rural Social Work"   
## [45] "Social Work & Christianity"   
## [46] "Indian Journal of Social Work"   
## [47] "Journal of Applied Social Sciences"   
## [48] "Journal of Social Work in Disability and Rehabilitation"  
## [49] "Arete"   
## [50] "Journal of Comparative Social Welfare"   
## [51] "Social Work Review"   
## [52] "Caribbean Journal of Social Work"   
## [53] "The New Social Worker"   
## [54] "Journal of Social Work Values and Ethics"   
## [55] "Journal of Practice Teaching in Social Work and Health"   
## [56] "The Hong Kong Journal of Social Work"   
## [57] "The Spirituality and Social Work Forum"   
## [58] "Reflections: Narratives of Professional Helping"   
## [59] "Social Work Forum"   
## [60] "Annual of Social Work"   
## [61] "Electronic Journal of Social Work"   
## [62] "IUC Journal of Social Work Theory and Practice"   
## [63] "China Journal of Social Work"   
## [64] "Black Caucus"   
## [65] "Journal of Forensic Social Work"   
## [66] "Journal of Rural Social Work & Social Development"   
## [67] "The Social Worker/Le Travaileur Social"

hodge.not.swHistory <- !(hodge %in% unique.swHistory)  
  
hodge.unique.df <- unique.swHistory$record %in% hodge  
  
  
### Articles on Perron et al. and not ot Hodge and LaCas

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

## 41165

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

## 1914 2015

Reflections: Narratives of Professional Helping