Terms for Partner Abuse

Bryan Victor

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The phenomenon of partner abuse has been referred to by many names in the academic literature including battering, family violence, domestic violence and intimate partner violence. The following code produces a frequency plot for the use of these terms in the literature between 1974-2013.

PsycINFO indexes a number of biological and social science journals in its database. Each time an article is entered it is assigned a set of subject codes that help facilitate searches. This code looks at the frequency with which certain subject codes were assigned to all articles indexed since 1974 (the first year a term of interest was assigned as a subject value).

A search was done in psychINFO with the following terms:

SU "domestic violence" or SU "intimate partner violence" or SU "family violence" or SU "battering"

The search was limited to peer-reviewed journal articles, and returned 8,889 articles with 44,445 subject values.

setwd("C:/Users/Tom/Documents/GitHub/IPVTerms")  
  
library(dplyr)

Attaching package: 'dplyr'  
  
The following objects are masked from 'package:stats':  
  
 filter, lag  
  
The following objects are masked from 'package:base':  
  
 intersect, setdiff, setequal, union

library(stringr)  
library(ggplot2)  
  
IPV <- read.csv("IPV.csv")   
  
terms <- IPV %>%  
 filter(attributes=="SU")  
  
years<-IPV %>%  
 filter(attributes=="YR")%>%  
 select(year=record)  
  
years$year<-as.character(years$year)  
years$year<-as.numeric(years$year)  
  
ID <- terms[,3]  
  
terms.split<-str\_split\_fixed(terms$record, ";", 5)  
  
terms.split<-as.data.frame(terms.split)  
  
IPV.Terms<-cbind(ID,years,terms.split)  
  
colnames(IPV.Terms)<- c("ID", "Year", "Term1", "Term2", "Term3", "Term4", "Term5")  
  
  
set1 = select(IPV.Terms, ID, Year, Term=Term1)  
set2 = select(IPV.Terms, ID, Year, Term=Term2)  
set3 = select(IPV.Terms, ID, Year, Term=Term3)  
set4 = select(IPV.Terms, ID, Year, Term=Term4)  
set5 = select(IPV.Terms, ID, Year, Term=Term5)  
  
full.set<-rbind(set1, set2, set3, set4, set5)

#DOMESTIC VIOLENCE  
  
DV.set<-filter(full.set, Term=="Domestic Violence")  
DV.set<-filter(DV.set, Year<2014)  
  
n.DV.year <- DV.set %>%   
 group\_by(Year) %>%  
 summarise(n = n())  
  
n.DV.year<-select(n.DV.year, Year, DV=n)  
  
# INTIMATE PARTNER VIOLENCE  
  
IPV.set<-filter(full.set, Term=="Intimate Partner Violence")  
IPV.set<-filter(IPV.set, Year<2014)  
  
n.IPV.year <- IPV.set %>%   
 group\_by(Year) %>%  
 summarise(n = n())  
  
n.IPV.year<-select(n.IPV.year, Year, IPV=n)  
  
#BATTERING  
  
BAT.set<-filter(full.set, grepl("Batter", Term))  
BAT.set<-filter(BAT.set, Year<2014)  
  
n.BAT.year <- BAT.set %>%   
 group\_by(Year) %>%  
 summarise(n = n())  
  
n.BAT.year<-select(n.BAT.year, Year, BAT=n)  
  
#FAMILY  
  
FAM.set<-filter(full.set, grepl("Family", Term))  
FAM.set<-filter(FAM.set, Year<2014)  
  
n.FAM.year <- FAM.set %>%   
 group\_by(Year) %>%  
 summarise(n = n())  
  
n.FAM.year<-select(n.FAM.year, Year, FAM=n)

#MERGER  
  
merged<-merge(n.DV.year, n.IPV.year, by="Year", all=TRUE)  
merged<-merge(merged, n.BAT.year, by="Year", all=TRUE)  
merged<-merge(merged, n.FAM.year, by="Year", all=TRUE)  
merged[is.na(merged)] <- 0  
  
term.count <- ggplot(merged, aes(as.numeric(Year), y=n, group=1, color=Terms)) +   
 geom\_line(aes(y = DV, colour="Domestic Violence")) +  
 geom\_line(aes(y = IPV, colour="Intimate Partner Violence")) +   
 geom\_line(aes(y = BAT, colour="Battered"))+  
 geom\_line(aes(y = FAM, colour="Family"))+  
 theme(axis.text.x = element\_text(angle = 45, hjust = 1)) +   
 xlab("Year") +   
 ylab("frequency") +   
 ggtitle("Term Count as Article Subject") +   
 scale\_x\_continuous(breaks=seq(1963, 2013, 10))

