Assignment_04 Final

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```
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(tidyverse)
## -- Attaching packages ------ tidyverse 1.2.1 --
## v ggplot2 2.2.1
                   v readr
                            1.1.1
## v tibble 1.4.2
                   v purrr
                            0.2.4
## v tidyr 0.8.0 v stringr 1.2.0
## v ggplot2 2.2.1
                   v forcats 0.2.0
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                 masks stats::lag()
```

R for Data Science

10.5 Exercises

5. What does tibble::enframe() do? When might you use it?

enframe() converts vectors or lists to a dataframe. The opposite to this is deframe(). I would use enframe() when I am given a vector or list to analyze.

12.6 Exercises

3. I claimed that iso2 and iso3 were redundant with country. Confirm this claim.

```
head(who)
## # A tibble: 6 x 60
##
    country
                iso2 iso3
                              year new_sp_m014 new_sp_m1524 new_sp_m2534
     <chr>
                 <chr> <chr> <int>
                                         <int>
                                                      <int>
                                                                   <int>
## 1 Afghanistan AF
                      AFG
                              1980
                                            NA
                                                         NA
                                                                      NA
## 2 Afghanistan AF
                      AFG
                              1981
                                            NA
                                                         NA
                                                                      NA
## 3 Afghanistan AF
                    AFG
                              1982
                                            NA
                                                         NA
                                                                      NA
```

```
## 4 Afghanistan AF
                       AFG
                               1983
                                                                        NA
                                             NA
                                                          NA
                       AFG
## 5 Afghanistan AF
                               1984
                                             NΑ
                                                          NA
                                                                        NΑ
## 6 Afghanistan AF
                       AFG
                               1985
                                             NA
                                                          NA
                                                                        NA
     ... with 53 more variables: new_sp_m3544 <int>, new_sp_m4554 <int>,
## #
       new_sp_m5564 <int>, new_sp_m65 <int>, new_sp_f014 <int>,
## #
       new_sp_f1524 <int>, new_sp_f2534 <int>, new_sp_f3544 <int>,
## #
       new sp f4554 <int>, new sp f5564 <int>, new sp f65 <int>,
## #
       new_sn_m014 <int>, new_sn_m1524 <int>, new_sn_m2534 <int>,
## #
       new_sn_m3544 <int>, new_sn_m4554 <int>, new_sn_m5564 <int>,
## #
       new_sn_m65 <int>, new_sn_f014 <int>, new_sn_f1524 <int>,
## #
       new_sn_f2534 <int>, new_sn_f3544 <int>, new_sn_f4554 <int>,
## #
       new_sn_f5564 <int>, new_sn_f65 <int>, new_ep_m014 <int>,
## #
       new_ep_m1524 <int>, new_ep_m2534 <int>, new_ep_m3544 <int>,
## #
       new_ep_m4554 <int>, new_ep_m5564 <int>, new_ep_m65 <int>,
## #
       new_ep_f014 <int>, new_ep_f1524 <int>, new_ep_f2534 <int>,
## #
       new_ep_f3544 <int>, new_ep_f4554 <int>, new_ep_f5564 <int>,
## #
       new_ep_f65 <int>, newrel_m014 <int>, newrel_m1524 <int>,
## #
       newrel m2534 <int>, newrel m3544 <int>, newrel m4554 <int>,
       newrel_m5564 <int>, newrel_m65 <int>, newrel_f014 <int>,
## #
## #
       newrel_f1524 <int>, newrel_f2534 <int>, newrel_f3544 <int>,
## #
       newrel_f4554 <int>, newrel_f5564 <int>, newrel_f65 <int>
tail(who)
## # A tibble: 6 x 60
                           year new_sp_m014 new_sp_m1524 new_sp_m2534
     country iso2
                    iso3
##
     <chr>>
              <chr> <chr>
                          <int>
                                       <int>
                                                    <int>
                                                                  <int>
## 1 Zimbabwe ZW
                    ZWE
                           2008
                                                                      0
                                         127
                                                      614
## 2 Zimbabwe ZW
                    ZWE
                           2009
                                         125
                                                      578
                                                                     NA
## 3 Zimbabwe ZW
                    ZWE
                           2010
                                         150
                                                      710
                                                                   2208
## 4 Zimbabwe ZW
                    ZWE
                                         152
                                                      784
                                                                   2467
                           2011
## 5 Zimbabwe ZW
                    ZWE
                                         120
                                                      783
                                                                   2421
                           2012
## 6 Zimbabwe ZW
                    ZWE
                           2013
                                          NA
                                                       NA
                                                                     NA
     ... with 53 more variables: new_sp_m3544 <int>, new_sp_m4554 <int>,
## #
       new_sp_m5564 <int>, new_sp_m65 <int>, new_sp_f014 <int>,
## #
       new_sp_f1524 <int>, new_sp_f2534 <int>, new_sp_f3544 <int>,
## #
       new_sp_f4554 <int>, new_sp_f5564 <int>, new_sp_f65 <int>,
## #
       new_sn_m014 <int>, new_sn_m1524 <int>, new_sn_m2534 <int>,
## #
       new_sn_m3544 <int>, new_sn_m4554 <int>, new_sn_m5564 <int>,
## #
       new_sn_m65 <int>, new_sn_f014 <int>, new_sn_f1524 <int>,
## #
       new_sn_f2534 <int>, new_sn_f3544 <int>, new_sn_f4554 <int>,
## #
       new_sn_f5564 <int>, new_sn_f65 <int>, new_ep_m014 <int>,
## #
       new_ep_m1524 <int>, new_ep_m2534 <int>, new_ep_m3544 <int>,
## #
       new_ep_m4554 <int>, new_ep_m5564 <int>, new_ep_m65 <int>,
## #
       new_ep_f014 <int>, new_ep_f1524 <int>, new_ep_f2534 <int>,
## #
       new ep f3544 <int>, new ep f4554 <int>, new ep f5564 <int>,
## #
       new_ep_f65 <int>, newrel_m014 <int>, newrel_m1524 <int>,
## #
       newrel_m2534 <int>, newrel_m3544 <int>, newrel_m4554 <int>,
## #
       newrel_m5564 <int>, newrel_m65 <int>, newrel_f014 <int>,
       newrel_f1524 <int>, newrel_f2534 <int>, newrel_f3544 <int>,
```

No matter which observation one picks, iso2 and iso3 changes accordingly with country and is redundant.

newrel_f4554 <int>, newrel_f5564 <int>, newrel_f65 <int>

#

4. For each country, year, and sex compute the total number of cases of TB. Make an informative visualisation of the data.

```
whoTidy <- who %>%
 gather(code, value, new_sp_m014:newrel_f65, na.rm = TRUE) %>%
 mutate(code = stringr::str_replace(code, "newrel", "new_rel")) %>%
 separate(code, c("new", "var", "sexage")) %>%
 select(-new, -iso2, -iso3) %>%
 separate(sexage, c("sex", "age"), sep = 1) %>%
 group_by(country, year, sex) %>%
 summarize(Number =n())
whoTidy
## # A tibble: 6,921 x 4
## # Groups: country, year [?]
     country
                year sex Number
                 <int> <chr> <int>
##
     <chr>
## 1 Afghanistan 1997 f
## 2 Afghanistan 1997 m
                                  7
## 3 Afghanistan 1998 f
                                 7
## 4 Afghanistan 1998 m
                                 7
## 5 Afghanistan 1999 f
                                 7
                                 7
## 6 Afghanistan 1999 m
## 7 Afghanistan 2000 f
                                 7
                                 7
## 8 Afghanistan 2000 m
                                 7
## 9 Afghanistan 2001 f
## 10 Afghanistan 2001 m
## # ... with 6,911 more rows
```

Tidy Data Article

Table4 to Table6

```
library(foreign)
library(stringr)
library(dplyr)
source("xtable.r")
pew <- read.spss("pew.sav")</pre>
## re-encoding from CP1252
## Warning in read.spss("pew.sav"): Undeclared level(s) 2, 3, 4, 9 added in
## variable: density3
## Warning in read.spss("pew.sav"): Duplicated levels in factor denom:
## Electronic ministries
## Warning in read.spss("pew.sav"): Undeclared level(s) 1, 2, 3, 4, 5, 6, 7,
## 8, 9, 10, 11, 12, 14, 16, 23, 33 added in variable: children
## Warning in read.spss("pew.sav"): Undeclared level(s) 18, 19, 20, 21, 22,
## 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41,
## 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
## 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79,
```

```
## 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96 added in
## variable: age
pew <- as.data.frame(pew)</pre>
religion <- pew[c("q16", "reltrad", "income")]</pre>
religion$reltrad <- as.character(religion$reltrad)</pre>
religion$reltrad <- str replace(religion$reltrad, " Churches", "")
religion$reltrad <- str_replace(religion$reltrad, " Protestant", " Prot")</pre>
religion$reltrad[religion$q16 == " Atheist (do not believe in God) "] <- "Atheist"
religion$reltrad[religion$q16 == " Agnostic (not sure if there is a God) "] <- "Agnostic"
religion$reltrad <- str_trim(religion$reltrad)</pre>
religion$reltrad <- str_replace_all(religion$reltrad, " \\(.*?\\)", "")
religion$income <- c("Less than $10,000" = "<$10k",
  "10 to under 20,000" = "10-20k",
  "20 to under $30,000" = "$20-30k",
  "30 to under $40,000" = "$30-40k",
  "40 to under $50,000" = "$40-50k",
  "50 to under $75,000" = "$50-75k",
  "75 to under $100,000" = "$75-100k".
  "100 to under $150,000" = "$100-150k",
 "$150,000 or more" = ">150k",
 "Don't know/Refused (VOL)" = "Don't know/refused")[religion$income]
religion$income <- factor(religion$income, levels = c("<$10k", "$10-20k", "$20-30k", "$30-40k", "$40-50
 "$75-100k", "$100-150k", ">150k", "Don't know/refused"))
colnames(religion) <- c("q16", "religion", "income")</pre>
r <- select(religion, c(religion, income))</pre>
table4 <- r %>%
  group_by_(.dots=c("religion", "income")) %>%
  summarize(Number = n()) %>%
  spread(key = income, value = Number) %>%
  arrange(religion)
table6 <- table4 %>%
  gather(key = "income", value = "freq", 2:11) %>%
  arrange(religion)
head(table4)
## # A tibble: 6 x 11
## # Groups:
               religion [6]
    religion
                     `<$10k` `$10-20k` `$20-30k` `$30-40k` `$40-50k` `$50-75k`
##
##
     <chr>
                       <int>
                                 <int>
                                            <int>
                                                      <int>
                                                                <int>
                                                                           <int>
                                                         81
                                                                   76
                                                                             137
## 1 Agnostic
                         27
                                    34
                                              60
## 2 Atheist
                         12
                                    27
                                              37
                                                         52
                                                                   35
                                                                              70
## 3 Buddhist
                         27
                                    21
                                              30
                                                         34
                                                                   33
                                                                              58
## 4 Catholic
                         418
                                   617
                                             732
                                                        670
                                                                  638
                                                                            1116
                                                                              35
## 5 Don't know/re~
                         15
                                    14
                                              15
                                                         11
                                                                   10
## 6 Evangelical P~
                         575
                                   869
                                            1064
                                                                  881
                                                                            1486
## # ... with 4 more variables: `$75-100k` <int>, `$100-150k` <int>,
## # `>150k` <int>, `Don't know/refused` <int>
```

```
head(table6)
## # A tibble: 6 x 3
## # Groups: religion [1]
    religion income freq
##
     <chr>
              <chr>
                     <int>
## 1 Agnostic <$10k
## 2 Agnostic $10-20k
## 3 Agnostic $20-30k
                         60
## 4 Agnostic $30-40k
                         81
## 5 Agnostic $40-50k
                         76
## 6 Agnostic $50-75k
                       137
Table 7 to Table 8
library(reshape2)
##
## Attaching package: 'reshape2'
## The following object is masked from 'package:tidyr':
##
##
       smiths
library(lubridate)
##
## Attaching package: 'lubridate'
## The following object is masked from 'package:base':
##
       date
library(stringr)
library(plyr)
## You have loaded plyr after dplyr - this is likely to cause problems.
## If you need functions from both plyr and dplyr, please load plyr first, then dplyr:
## library(plyr); library(dplyr)
##
## Attaching package: 'plyr'
## The following object is masked from 'package:lubridate':
##
##
## The following object is masked from 'package:purrr':
##
##
       compact
## The following objects are masked from 'package:dplyr':
##
##
       arrange, count, desc, failwith, id, mutate, rename, summarise,
```

```
##
       summarize
raw <- read.csv("billboard.csv")</pre>
raw <- raw[, c("year", "artist.inverted", "track", "time", "date.entered", "x1st.week", "x2nd.week", "x
names(raw)[2] <- "artist"</pre>
raw$artist <- iconv(raw$artist, "MAC", "ASCII//translit")</pre>
raw$track <- str_replace(raw$track, " \\(.*?\\)", "")</pre>
names(raw)[-(1:5)] \leftarrow str_c("wk", 1:76)
raw <- arrange(raw, year, artist, track)</pre>
long name <- nchar(raw$track) > 20
raw$track[long_name] <- paste0(substr(raw$track[long_name], 0, 20), "...")</pre>
table7 <- raw
clean <- melt(raw, id = 1:5, na.rm = T)</pre>
clean$week <- as.integer(str_replace_all(clean$variable, "[^0-9]+", ""))</pre>
clean$variable <- NULL</pre>
clean$date.entered <- ymd(clean$date.entered)</pre>
clean$date <- clean$date.entered + weeks(clean$week - 1)</pre>
clean$date.entered <- NULL</pre>
clean <- rename(clean, c("value" = "rank"))</pre>
clean <- arrange(clean, year, artist, track, time, week)</pre>
clean <- clean[c("year", "artist", "time", "track", "date", "week", "rank")]</pre>
table8 <- clean
head(table7)
##
     year
                 artist
                                             track time date.entered wk1 wk2 wk3
## 1 2000
                  2 Pac
                                   Baby Don't Cry 4:22
                                                           2000-02-26 87
                                                                             82
                                                                                 72
## 2 2000
                2Ge+her The Hardest Part Of ... 3:15
                                                           2000-09-02 91
                                                                             87
                                                                                 92
## 3 2000 3 Doors Down
                                       Kryptonite 3:53
                                                           2000-04-08
                                                                        81
                                                                             70
                                                                                 68
## 4 2000 3 Doors Down
                                             Loser 4:24
                                                           2000-10-21
                                                                        76
                                                                             76
                                                                                 72
## 5 2000
               504 Boyz
                                    Wobble Wobble 3:35
                                                           2000-04-15
                                                                             34
                                                                                 25
                                                                        57
## 6 2000
                     98? Give Me Just One Nig... 3:24
                                                           2000-08-19
##
     wk4 wk5 wk6 wk7 wk8 wk9 wk10 wk11 wk12 wk13 wk14 wk15 wk16 wk17 wk18
## 1
      77
          87
               94
                   99
                        NA
                            NA
                                  NA
                                       NA
                                             NA
                                                  NA
                                                        NA
                                                             NA
                                                                   NA
                                                                        NA
                                                                              NA
          NA
                        NΑ
                            NA
                                       NA
                                             NΑ
                                                        NA
                                                                   NΑ
                                                                        NA
## 2
      NA
              NA
                  NA
                                  NΑ
                                                  NΑ
                                                             NΑ
                                                                              NΑ
## 3
      67
           66
               57
                   54
                        53
                            51
                                  51
                                       51
                                             51
                                                  47
                                                        44
                                                              38
                                                                   28
                                                                        22
                                                                              18
                   55
                            62
                                                             72
                                                                   76
                                                                        75
## 4
      69
          67
               65
                        59
                                  61
                                       61
                                             59
                                                  61
                                                        66
                                                                              67
                   36
                                             70
## 5
      17
          17
               31
                        49
                            53
                                  57
                                       64
                                                  75
                                                        76
                                                              78
                                                                   85
                                                                        92
                                                                              96
## 6
      26
          26
              19
                     2
                         2
                             3
                                   6
                                        7
                                             22
                                                  29
                                                        36
                                                              47
                                                                   67
                                                                        66
                                                                              84
##
     wk19 wk20 wk21 wk22 wk23 wk24 wk25 wk26 wk27 wk28 wk29 wk30 wk31 wk32
## 1
       NA
             NA
                  NA
                        NA
                             NA
                                   NA
                                        NA
                                              NA
                                                   NA
                                                         NA
                                                              NA
                                                                    NA
                                                                          NA
                                                                               NA
## 2
       NA
             NA
                  NA
                        NA
                             NA
                                   NA
                                        NA
                                              NA
                                                   NA
                                                         NA
                                                              NA
                                                                    NA
                                                                          NA
                                                                               NA
## 3
                         7
                                                    5
                                                                                3
       18
             14
                  12
                              6
                                    6
                                         6
                                               5
                                                          4
                                                                4
                                                                     4
                                                                           4
## 4
       73
             70
                        NA
                             NA
                                   NA
                                        NA
                                                         NA
                                                              NA
                                                                    NA
                                                                          NA
                                                                               NA
                  NΑ
                                              NA
                                                   NΑ
## 5
       NA
             NA
                  NA
                        NA
                             NA
                                   NA
                                        NA
                                              NA
                                                   NA
                                                         NA
                                                              NA
                                                                    NA
                                                                          NA
                                                                               NA
## 6
       93
             94
                  NΑ
                        NΑ
                             NΑ
                                   NΑ
                                        NΑ
                                              NΑ
                                                   NA
                                                         NΑ
                                                              NΑ
                                                                    NΑ
                                                                          NΑ
                                                                               NΑ
##
     wk33 wk34 wk35 wk36 wk37 wk38 wk39 wk40 wk41 wk42 wk43 wk44 wk45 wk46
## 1
       NA
             NA
                  NA
                        NA
                             NΑ
                                   NA
                                        NA
                                              NA
                                                   NA
                                                         NΑ
                                                              NA
                                                                    NΑ
                                                                          NΑ
                                                                               NΑ
## 2
       NA
             NA
                  NA
                        NA
                             NA
                                   NA
                                        NA
                                              NA
                                                   NA
                                                         NΑ
                                                              NA
                                                                    NΑ
                                                                          NΑ
                                                                               NΑ
## 3
                              5
                                                                               21
        3
              3
                   4
                         5
                                    9
                                         9
                                              15
                                                   14
                                                         1.3
                                                              14
                                                                    16
                                                                          17
## 4
       NA
             NA
                        NA
                             NA
                                   NA
                                        NA
                                                   NA
                                                         NA
                                                                          NA
                  NA
                                              NA
                                                              NA
                                                                    NA
## 5
       NA
             NA
                  NA
                        NA
                             NA
                                   NA
                                        NA
                                              NA
                                                   NA
                                                         NA
                                                              NA
                                                                    NA
                                                                          NA
                                                                               NA
## 6
       NA
             NA
                  NA
                        NA
                             NA
                                   NA
                                        NA
                                              NA
                                                   NA
                                                         NA
                                                              NA
                                                                    NA
                                                                          NA
                                                                               NΑ
```

wk47 wk48 wk49 wk50 wk51 wk52 wk53 wk54 wk55 wk56 wk57 wk58 wk59 wk60

```
## 1
                                                                              NA
       NA
            NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
## 2
       NA
            NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
                                                                              NA
## 3
       22
                  28
                       33
                             42
                                  42
                                                   NA
                                                        NA
                                                                              NA
             24
                                        49
                                             NA
                                                              NA
                                                                   NA
                                                                         NA
## 4
                                                                              NA
       NA
            NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
## 5
       NA
            NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
                                                                              NA
## 6
       NA
            NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
                                                                              NA
##
     wk61 wk62 wk63 wk64 wk65 wk66 wk67 wk68 wk69 wk70 wk71 wk72 wk73 wk74
## 1
       NA
             NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
                                                                              NA
                                                   NA
## 2
       NA
             NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
                                                                              NA
## 3
       {\tt NA}
             NA
                  NA
                       NA
                             {\tt NA}
                                  {\tt NA}
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                                   {\tt NA}
                                                                         NA
                                                                              NA
                                                              NA
## 4
       NA
            NA
                  NA
                       NA
                             NA
                                  {\tt NA}
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
                                                                              NA
## 5
                                                                              NA
       NA
             NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                   NA
                                                        NA
                                                              NA
                                                                   NA
                                                                         NA
## 6
       NA
            NA
                  NA
                       NA
                             NA
                                  NA
                                        NA
                                             NA
                                                  NA
                                                        NA
                                                             NA
                                                                   NA
                                                                        NA
                                                                              NA
##
     wk75 wk76
## 1
       NA
             NA
## 2
       NA
             NA
## 3
       NA
            NA
## 4
       NA
            NA
## 5
       NA
            NA
## 6
       NA
            NA
```

head(table8)

	year	artist	time		t	rack	date	week	rank
1	2000	2 Pac	4:22			Cry	2000-02-26	1	87
2	2000	2 Pac	4:22	Baby	Don't	Cry	2000-03-04	2	82
3	2000	2 Pac	4:22	Baby	Don't	Cry	2000-03-11	3	72
4	2000	2 Pac	4:22	Baby	Don't	Cry	2000-03-18	4	77
5	2000	2 Pac	4:22	Baby	Don't	Cry	2000-03-25	5	87
6	2000	2 Pac	4:22	Baby	Don't	\mathtt{Cry}	2000-04-01	6	94
	1 2 3 4 5	1 2000 2 2000 3 2000 4 2000 5 2000	1 2000 2 Pac 2 2000 2 Pac 3 2000 2 Pac 4 2000 2 Pac 5 2000 2 Pac	1 2000 2 Pac 4:22 2 2000 2 Pac 4:22 3 2000 2 Pac 4:22 4 2000 2 Pac 4:22 5 2000 2 Pac 4:22	1 2000 2 Pac 4:22 Baby 2 2000 2 Pac 4:22 Baby 3 2000 2 Pac 4:22 Baby 4 2000 2 Pac 4:22 Baby 5 2000 2 Pac 4:22 Baby	1 2000 2 Pac 4:22 Baby Don't 2 2000 2 Pac 4:22 Baby Don't 3 2000 2 Pac 4:22 Baby Don't 4 2000 2 Pac 4:22 Baby Don't 5 2000 2 Pac 4:22 Baby Don't	1 2000 2 Pac 4:22 Baby Don't Cry 2 2000 2 Pac 4:22 Baby Don't Cry 3 2000 2 Pac 4:22 Baby Don't Cry 4 2000 2 Pac 4:22 Baby Don't Cry 5 2000 2 Pac 4:22 Baby Don't Cry	year artist time track date 1 2000 2 Pac 4:22 Baby Don't Cry 2000-02-26 2 2000 2 Pac 4:22 Baby Don't Cry 2000-03-04 3 2000 2 Pac 4:22 Baby Don't Cry 2000-03-11 4 2000 2 Pac 4:22 Baby Don't Cry 2000-03-18 5 2000 2 Pac 4:22 Baby Don't Cry 2000-03-25 6 2000 2 Pac 4:22 Baby Don't Cry 2000-04-01	1 2000 2 Pac 4:22 Baby Don't Cry 2000-02-26 1 2 2000 2 Pac 4:22 Baby Don't Cry 2000-03-04 2 3 2000 2 Pac 4:22 Baby Don't Cry 2000-03-11 3 4 2000 2 Pac 4:22 Baby Don't Cry 2000-03-18 4 5 2000 2 Pac 4:22 Baby Don't Cry 2000-03-25 5