Metadata 2016 Spring

SY YU

2016-05-11

```r
library(rjson)
library(RCurl)
```

```
## Loading required package: bitops
```

```r
###### with talk.creativ.json
j_file2 <-"./talk_creativ.json"
###
### '\n' is REQUIRED at the end of JSON FILE. OMG!!!!!
###
talk_creativ<-fromJSON(file=j_file2, method="C")
str(talk_creativ)
```

```
## List of 2
##  $ talks :List of 16
##   ..$ :List of 1
##   .. ..$ talk:List of 10
##   .. .. ..$ id               : num 66
##   .. .. ..$ event_id         : num 3
##   .. .. ..$ name             : chr "Ken Robinson: Do schools kill creativity?"
##   .. .. ..$ description      : chr "Sir Ken Robinson makes an entertaining and profoundly moving
##   .. .. ..$ slug             : chr "ken_robinson_says_schools_kill_creativity"
##   .. .. ..$ native_language_code: chr "en"
##   .. .. ..$ published_at     : chr "2006-06-27 00:11:00"
##   .. .. ..$ recorded_at      : chr "2006-02-25 00:00:00"
##   .. .. ..$ updated_at       : chr "2016-04-20 19:38:05"
##   .. .. ..$ released_at      : chr "2016-04-20 19:38:05"
##   ..$ :List of 1
##   .. ..$ talk:List of 10
##   .. .. ..$ id               : num 187
##   .. .. ..$ event_id         : num 2
##   .. .. ..$ name             : chr "Lawrence Lessig: Laws that choke creativity"
##   .. .. ..$ description      : chr "Lawrence Lessig, the Net's most celebrated lawyer, cites John
##   .. .. ..$ slug             : chr "larry_lessig_says_the_law_is_strangling_creativity"
##   .. .. ..$ native_language_code: chr "en"
##   .. .. ..$ published_at     : chr "2007-11-06 01:00:00"
##   .. .. ..$ recorded_at      : chr "2007-03-03 00:00:00"
##   .. .. ..$ updated_at       : chr "2014-07-03 20:42:32"
##   .. .. ..$ released_at      : chr "2014-06-30 22:07:52"
##   ..$ :List of 1
##   .. ..$ talk:List of 10
##   .. .. ..$ id               : num 250
##   .. .. ..$ event_id         : num 1
##   .. .. ..$ name             : chr "Amy Tan: Where does creativity hide?"
##   .. .. ..$ description      : chr "Novelist Amy Tan digs deep into the creative process, looking
##   .. .. ..$ slug             : chr "amy_tan_on_creativity"
```

```
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at         : chr "2008-04-22 04:38:00"
##    .. .. ..$ recorded_at          : chr "2008-02-02 00:00:00"
##    .. .. ..$ updated_at           : chr "2015-09-01 17:23:58"
##    .. .. ..$ released_at          : chr "2015-09-01 17:23:58"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                   : num 392
##    .. .. ..$ event_id             : num 28
##    .. .. ..$ name                 : chr "Tim Brown: Tales of creativity and play"
##    .. .. ..$ description          : chr "At the 2008 Serious Play conference, designer Tim Brown talks
##    .. .. ..$ slug                 : chr "tim_brown_on_creativity_and_play"
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at         : chr "2008-11-06 01:00:00"
##    .. .. ..$ recorded_at          : chr "2008-05-07 00:00:00"
##    .. .. ..$ updated_at           : chr "2014-07-17 15:51:37"
##    .. .. ..$ released_at          : chr "2014-07-17 15:51:37"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                   : num 396
##    .. .. ..$ event_id             : num 1
##    .. .. ..$ name                 : chr "Isaac Mizrahi: Fashion and creativity"
##    .. .. ..$ description          : chr "Fashion designer Isaac Mizrahi spins through a dizzying array
##    .. .. ..$ slug                 : chr "isaac_mizrahi_on_fashion_and_creativity"
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at         : chr "2008-11-18 01:00:00"
##    .. .. ..$ recorded_at          : chr "2008-02-02 00:00:00"
##    .. .. ..$ updated_at           : chr "2016-04-18 00:15:59"
##    .. .. ..$ released_at          : chr "2014-11-18 19:04:46"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                   : num 1015
##    .. .. ..$ event_id             : num 117
##    .. .. ..$ name                 : chr "Dan Phillips: Creative houses from reclaimed stuff"
##    .. .. ..$ description          : chr "In this funny and inspiring talk, Dan Phillips tours us throug
##    .. .. ..$ slug                 : chr "dan_phillips_creative_houses_from_reclaimed_stuff"
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at         : chr "2010-11-25 15:16:28"
##    .. .. ..$ recorded_at          : chr "2010-10-12 00:00:00"
##    .. .. ..$ updated_at           : chr "2015-10-18 00:15:46"
##    .. .. ..$ released_at          : chr "2015-10-18 00:15:46"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                   : num 1157
##    .. .. ..$ event_id             : num 139
##    .. .. ..$ name                 : chr "Malcolm McLaren: Authentic creativity vs. karaoke culture"
##    .. .. ..$ description          : chr "How does one find authentic creativity? In his last talk befor
##    .. .. ..$ slug                 : chr "malcolm_mclaren_authentic_creativity_vs_karaoke_culture"
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at         : chr "2011-05-30 16:51:00"
##    .. .. ..$ recorded_at          : chr "2009-10-06 00:00:00"
##    .. .. ..$ updated_at           : chr "2014-07-03 20:43:21"
##    .. .. ..$ released_at          : chr "2011-05-30 18:35:14"
##    ..$ :List of 1
```

```
##     .. ..$ talk:List of 10
##     .. .. ..$ id                 : num 1449
##     .. .. ..$ event_id           : num 122
##     .. .. ..$ name               : chr "David Kelley: How to build your creative confidence"
##     .. .. ..$ description        : chr "Is your school or workplace divided into \"creatives\" versus
##     .. .. ..$ slug               : chr "david_kelley_how_to_build_your_creative_confidence"
##     .. .. ..$ native_language_code: chr "en"
##     .. .. ..$ published_at       : chr "2012-05-16 15:30:52"
##     .. .. ..$ recorded_at        : chr "2012-03-01 00:00:00"
##     .. .. ..$ updated_at         : chr "2015-10-18 18:56:01"
##     .. .. ..$ released_at        : chr "2015-10-18 18:56:01"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                 : num 1527
##    .. .. ..$ event_id           : num 141
##    .. .. ..$ name               : chr "Wayne McGregor: A choreographer's creative process in real tim
##    .. .. ..$ description        : chr "We all use our body on a daily basis, and yet few of us think
##    .. .. ..$ slug               : chr "wayne_mcgregor_a_choreographer_s_creative_process_in_real_time
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at       : chr "2012-09-14 14:58:51"
##    .. .. ..$ recorded_at        : chr "2012-06-27 00:00:00"
##    .. .. ..$ updated_at         : chr "2016-04-18 00:16:41"
##    .. .. ..$ released_at        : chr "2013-12-09 18:37:40"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                 : num 1571
##    .. .. ..$ event_id           : num 141
##    .. .. ..$ name               : chr "John Maeda: How art, technology and design inform creative lea
##    .. .. ..$ description        : chr "John Maeda, former President of the Rhode Island School of Des
##    .. .. ..$ slug               : chr "john_maeda_how_art_technology_and_design_inform_creative_leade
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at       : chr "2012-10-09 15:02:21"
##    .. .. ..$ recorded_at        : chr "2012-06-26 00:00:00"
##    .. .. ..$ updated_at         : chr "2015-07-14 11:41:44"
##    .. .. ..$ released_at        : chr "2014-09-09 19:11:34"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                 : num 1613
##    .. .. ..$ event_id           : num 122
##    .. .. ..$ name               : chr "Julie Burstein: 4 lessons in creativity"
##    .. .. ..$ description        : chr "Radio host Julie Burstein talks with creative people for a liv
##    .. .. ..$ slug               : chr "julie_burstein_4_lessons_in_creativity"
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at       : chr "2012-11-12 16:07:32"
##    .. .. ..$ recorded_at        : chr "2012-02-29 00:00:00"
##    .. .. ..$ updated_at         : chr "2015-10-13 15:17:25"
##    .. .. ..$ released_at        : chr "2015-10-13 15:17:25"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                 : num 1801
##    .. .. ..$ event_id           : num 64
##    .. .. ..$ name               : chr "Julie Taymor: Spider-Man, The Lion King and life on the creati
##    .. .. ..$ description        : chr "Showing spectacular clips from productions such as Frida, The
##    .. .. ..$ slug               : chr "julie_taymor_spider_man_the_lion_king_and_life_on_the_creative
```

```
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at        : chr "2013-07-31 15:07:26"
##    .. .. ..$ recorded_at         : chr "2011-03-02 00:00:00"
##    .. .. ..$ updated_at          : chr "2014-12-12 16:40:12"
##    .. .. ..$ released_at         : chr "2014-09-02 16:42:31"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                  : num 2167
##    .. .. ..$ event_id            : num 324
##    .. .. ..$ name                : chr "Navi Radjou: Creative problem-solving in the face of extreme l
##    .. .. ..$ description         : chr "Navi Radjou has spent years studying \"jugaad,\" also known as
##    .. .. ..$ slug                : chr "navi_radjou_creative_problem_solving_in_the_face_of_extreme_li
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at        : chr "2015-01-12 16:15:47"
##    .. .. ..$ recorded_at         : chr "2014-10-09 00:00:00"
##    .. .. ..$ updated_at          : chr "2016-02-12 02:54:10"
##    .. .. ..$ released_at         : chr "2015-01-12 16:15:47"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                  : num 2210
##    .. .. ..$ event_id            : num 212
##    .. .. ..$ name                : chr "Linda Hill: How to manage for collective creativity"
##    .. .. ..$ description         : chr "What's the secret to unlocking the creativity hidden inside yo
##    .. .. ..$ slug                : chr "linda_hill_how_to_manage_for_collective_creativity"
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at        : chr "2015-03-13 14:58:39"
##    .. .. ..$ recorded_at         : chr "2014-09-12 00:00:00"
##    .. .. ..$ updated_at          : chr "2016-03-12 20:00:38"
##    .. .. ..$ released_at         : chr "2015-03-13 14:59:21"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                  : num 2242
##    .. .. ..$ event_id            : num 336
##    .. .. ..$ name                : chr "Bill T. Jones: The dancer, the singer, the cellist ... and a m
##    .. .. ..$ description         : chr "Legendary dance choreographer Bill T. Jones and TED Fellows Jo
##    .. .. ..$ slug                : chr "bill_t_jones_the_dancer_the_singer_the_cellist_and_a_moment_of
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at        : chr "2015-05-06 15:14:44"
##    .. .. ..$ recorded_at         : chr "2015-03-18 00:00:00"
##    .. .. ..$ updated_at          : chr "2016-04-18 00:13:48"
##    .. .. ..$ released_at         : chr "2015-06-08 17:18:15"
##    ..$ :List of 1
##    .. ..$ talk:List of 10
##    .. .. ..$ id                  : num 2401
##    .. .. ..$ event_id            : num 388
##    .. .. ..$ name                : chr "Tim Harford: How frustration can make us more creative"
##    .. .. ..$ description         : chr "Challenges and problems can derail your creative process ... o
##    .. .. ..$ slug                : chr "tim_harford_how_messy_problems_can_inspire_creativity"
##    .. .. ..$ native_language_code: chr "en"
##    .. .. ..$ published_at        : chr "2016-01-11 16:35:43"
##    .. .. ..$ recorded_at         : chr "2015-09-29 00:00:00"
##    .. .. ..$ updated_at          : chr "2016-04-18 00:24:58"
##    .. .. ..$ released_at         : chr "2016-01-28 17:19:42"
##  $ counts:List of 2
```

```
##    ..$ this : num 16
##    ..$ total: num 16
```

```
#print(talk_creativ)

talk_names<-names(talk_creativ$talks[[16]]$talk)
talk_names
```

```
##  [1] "id"             "event_id"          "name"
##  [4] "description"    "slug"              "native_language_code"
##  [7] "published_at"   "recorded_at"       "updated_at"
## [10] "released_at"
```

```
names(unlist(talk_creativ$talks))
```

```
##  [1] "talk.id"             "talk.event_id"
##  [3] "talk.name"           "talk.description"
##  [5] "talk.slug"           "talk.native_language_code"
##  [7] "talk.published_at"   "talk.recorded_at"
##  [9] "talk.updated_at"     "talk.released_at"
## [11] "talk.id"             "talk.event_id"
## [13] "talk.name"           "talk.description"
## [15] "talk.slug"           "talk.native_language_code"
## [17] "talk.published_at"   "talk.recorded_at"
## [19] "talk.updated_at"     "talk.released_at"
## [21] "talk.id"             "talk.event_id"
## [23] "talk.name"           "talk.description"
## [25] "talk.slug"           "talk.native_language_code"
## [27] "talk.published_at"   "talk.recorded_at"
## [29] "talk.updated_at"     "talk.released_at"
## [31] "talk.id"             "talk.event_id"
## [33] "talk.name"           "talk.description"
## [35] "talk.slug"           "talk.native_language_code"
## [37] "talk.published_at"   "talk.recorded_at"
## [39] "talk.updated_at"     "talk.released_at"
## [41] "talk.id"             "talk.event_id"
## [43] "talk.name"           "talk.description"
## [45] "talk.slug"           "talk.native_language_code"
## [47] "talk.published_at"   "talk.recorded_at"
## [49] "talk.updated_at"     "talk.released_at"
## [51] "talk.id"             "talk.event_id"
## [53] "talk.name"           "talk.description"
## [55] "talk.slug"           "talk.native_language_code"
## [57] "talk.published_at"   "talk.recorded_at"
## [59] "talk.updated_at"     "talk.released_at"
## [61] "talk.id"             "talk.event_id"
## [63] "talk.name"           "talk.description"
## [65] "talk.slug"           "talk.native_language_code"
## [67] "talk.published_at"   "talk.recorded_at"
## [69] "talk.updated_at"     "talk.released_at"
## [71] "talk.id"             "talk.event_id"
## [73] "talk.name"           "talk.description"
## [75] "talk.slug"           "talk.native_language_code"
```

```
##  [77] "talk.published_at"          "talk.recorded_at"
##  [79] "talk.updated_at"            "talk.released_at"
##  [81] "talk.id"                    "talk.event_id"
##  [83] "talk.name"                  "talk.description"
##  [85] "talk.slug"                  "talk.native_language_code"
##  [87] "talk.published_at"          "talk.recorded_at"
##  [89] "talk.updated_at"            "talk.released_at"
##  [91] "talk.id"                    "talk.event_id"
##  [93] "talk.name"                  "talk.description"
##  [95] "talk.slug"                  "talk.native_language_code"
##  [97] "talk.published_at"          "talk.recorded_at"
##  [99] "talk.updated_at"            "talk.released_at"
## [101] "talk.id"                    "talk.event_id"
## [103] "talk.name"                  "talk.description"
## [105] "talk.slug"                  "talk.native_language_code"
## [107] "talk.published_at"          "talk.recorded_at"
## [109] "talk.updated_at"            "talk.released_at"
## [111] "talk.id"                    "talk.event_id"
## [113] "talk.name"                  "talk.description"
## [115] "talk.slug"                  "talk.native_language_code"
## [117] "talk.published_at"          "talk.recorded_at"
## [119] "talk.updated_at"            "talk.released_at"
## [121] "talk.id"                    "talk.event_id"
## [123] "talk.name"                  "talk.description"
## [125] "talk.slug"                  "talk.native_language_code"
## [127] "talk.published_at"          "talk.recorded_at"
## [129] "talk.updated_at"            "talk.released_at"
## [131] "talk.id"                    "talk.event_id"
## [133] "talk.name"                  "talk.description"
## [135] "talk.slug"                  "talk.native_language_code"
## [137] "talk.published_at"          "talk.recorded_at"
## [139] "talk.updated_at"            "talk.released_at"
## [141] "talk.id"                    "talk.event_id"
## [143] "talk.name"                  "talk.description"
## [145] "talk.slug"                  "talk.native_language_code"
## [147] "talk.published_at"          "talk.recorded_at"
## [149] "talk.updated_at"            "talk.released_at"
## [151] "talk.id"                    "talk.event_id"
## [153] "talk.name"                  "talk.description"
## [155] "talk.slug"                  "talk.native_language_code"
## [157] "talk.published_at"          "talk.recorded_at"
## [159] "talk.updated_at"            "talk.released_at"
```

```r
talk_creativ_list<-lapply(talk_creativ$talks, function(x){unlist(x)})
str(talk_creativ_list)
```

```
## List of 16
##  $ : Named chr [1:10] "66" "3" "Ken Robinson: Do schools kill creativity?" "Sir Ken Robinson makes a
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "187" "2" "Lawrence Lessig: Laws that choke creativity" "Lawrence Lessig, the
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "250" "1" "Amy Tan: Where does creativity hide?" "Novelist Amy Tan digs deep i
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "392" "28" "Tim Brown: Tales of creativity and play" "At the 2008 Serious Play
```

```
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "396" "1" "Isaac Mizrahi: Fashion and creativity" "Fashion designer Isaac Mizra
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "1015" "117" "Dan Phillips: Creative houses from reclaimed stuff" "In this fun
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "1157" "139" "Malcolm McLaren: Authentic creativity vs. karaoke culture" "How
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "1449" "122" "David Kelley: How to build your creative confidence" "Is your sch
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "1527" "141" "Wayne McGregor: A choreographer's creative process in real time"
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "1571" "141" "John Maeda: How art, technology and design inform creative leade
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "1613" "122" "Julie Burstein: 4 lessons in creativity" "Radio host Julie Burst
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "1801" "64" "Julie Taymor: Spider-Man, The Lion King and life on the creative
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "2167" "324" "Navi Radjou: Creative problem-solving in the face of extreme lim
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "2210" "212" "Linda Hill: How to manage for collective creativity" "What's the
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "2242" "336" "Bill T. Jones: The dancer, the singer, the cellist ... and a mom
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
##  $ : Named chr [1:10] "2401" "388" "Tim Harford: How frustration can make us more creative" "Challen
##   ..- attr(*, "names")= chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
```

```r
parse_talk_all<-data.frame()
df_parse_talk_all<-do.call("rbind", c(parse_talk_all, talk_creativ_list))
str(df_parse_talk_all)
```

```
##  chr [1:16, 1:10] "66" "187" "250" "392" "396" "1015" ...
##  - attr(*, "dimnames")=List of 2
##   ..$ : NULL
##   ..$ : chr [1:10] "talk.id" "talk.event_id" "talk.name" "talk.description" ...
```

```r
length(df_parse_talk_all)
```

```
## [1] 160
```

```r
length(df_parse_talk_all[1,])
```

```
## [1] 10
```

```r
length(df_parse_talk_all[,1])
```

```
## [1] 16
```

```r
df_parse_talk_all<-data.frame(df_parse_talk_all)
str(df_parse_talk_all)
```

```
## 'data.frame':    16 obs. of  10 variables:
##  $ talk.id                 : Factor w/ 16 levels "1015","1157",..: 16 8 13 14 15 1 2 3 4 5 ...
##  $ talk.event_id           : Factor w/ 13 levels "1","117","122",..: 9 6 1 8 1 2 4 3 5 5 ...
##  $ talk.name               : Factor w/ 16 levels "Amy Tan: Where does creativity hide?",..: 9 10 1 ?
##  $ talk.description        : Factor w/ 16 levels "At the 2008 Serious Play conference, designer Tim ?
##  $ talk.slug               : Factor w/ 16 levels "amy_tan_on_creativity",..: 9 10 1 14 5 3 12 4 16 ?
##  $ talk.native_language_code: Factor w/ 1 level "en": 1 1 1 1 1 1 1 1 1 1 ...
##  $ talk.published_at       : Factor w/ 16 levels "2006-06-27 00:11:00",..: 1 2 3 4 5 6 7 8 9 10 ...
##  $ talk.recorded_at        : Factor w/ 15 levels "2006-02-25 00:00:00",..: 1 2 3 4 3 6 5 9 11 10 ..
##  $ talk.updated_at         : Factor w/ 16 levels "2014-07-03 20:42:32",..: 16 1 6 3 13 8 2 9 14 5 .
##  $ talk.released_at        : Factor w/ 16 levels "2011-05-30 18:35:14",..: 16 3 11 4 7 13 1 14 2 6 ?
```

```r
###chage datatype of talk description
df_parse_talk_all$talk.description<-as.character(df_parse_talk_all$talk.description)
str(df_parse_talk_all$talk.description)
```

```
##  chr [1:16] "Sir Ken Robinson makes an entertaining and profoundly moving case for creating an educat?
```

```r
###change names of variables
names(df_parse_talk_all)<-talk_names
str(df_parse_talk_all)
```

```
## 'data.frame':    16 obs. of  10 variables:
##  $ id                 : Factor w/ 16 levels "1015","1157",..: 16 8 13 14 15 1 2 3 4 5 ...
##  $ event_id           : Factor w/ 13 levels "1","117","122",..: 9 6 1 8 1 2 4 3 5 5 ...
##  $ name               : Factor w/ 16 levels "Amy Tan: Where does creativity hide?",..: 9 10 1 14 5 3
##  $ description        : chr  "Sir Ken Robinson makes an entertaining and profoundly moving case for
##  $ slug               : Factor w/ 16 levels "amy_tan_on_creativity",..: 9 10 1 14 5 3 12 4 16 6 ...
##  $ native_language_code: Factor w/ 1 level "en": 1 1 1 1 1 1 1 1 1 1 ...
##  $ published_at       : Factor w/ 16 levels "2006-06-27 00:11:00",..: 1 2 3 4 5 6 7 8 9 10 ...
##  $ recorded_at        : Factor w/ 15 levels "2006-02-25 00:00:00",..: 1 2 3 4 3 6 5 9 11 10 ...
##  $ updated_at         : Factor w/ 16 levels "2014-07-03 20:42:32",..: 16 1 6 3 13 8 2 9 14 5 ...
##  $ released_at        : Factor w/ 16 levels "2011-05-30 18:35:14",..: 16 3 11 4 7 13 1 14 2 6 ...
```