Unstructured Data Analytics

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```r
ww = c("statistics", "estate", "castrate", "catalyst", "Statistics")
print(grep(pattern="stat", x=ww)) # return index that contains "stat"
```

```
## [1] 1 2
```

```r
grep(pattern="stat", x=ww, ignore.case=T) # ignore case when searching for "stat"
```

```
## [1] 1 2 5
```

```r
grep(pattern="stat", x=ww, ignore.case=T, value=T) # return word instead of index
```

```
## [1] "statistics" "estate"     "Statistics"
```

```r
print('--------------------')
```

```
## [1] "--------------------"
```

```r
print(grepl(pattern="stat", x=ww)) # return boolen
```

```
## [1]  TRUE  TRUE FALSE FALSE FALSE
```

```r
print('--------------------')
```

```
## [1] "--------------------"
```

```r
print(regexpr(pattern="stat", ww))
```

```
## [1]  1  2 -1 -1 -1
## attr(,"match.length")
## [1]  4  4 -1 -1 -1
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
```

```r
gregexpr(pattern="stat",ww)
```

```
## [[1]]
## [1] 1
## attr(,"match.length")
## [1] 4
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
##
## [[2]]
## [1] 2
## attr(,"match.length")
## [1] 4
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
##
## [[3]]
## [1] -1
## attr(,"match.length")
## [1] -1
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
##
## [[4]]
## [1] -1
## attr(,"match.length")
## [1] -1
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
##
## [[5]]
## [1] -1
## attr(,"match.length")
## [1] -1
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
```

```r
regexec(pattern="(st)(at)",ww)
```

```
## [[1]]
## [1] 1 1 3
## attr(,"match.length")
```

```
## [1] 4 2 2
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
##
## [[2]]
## [1] 2 2 4
## attr(,"match.length")
## [1] 4 2 2
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
##
## [[3]]
## [1] -1
## attr(,"match.length")
## [1] -1
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
##
## [[4]]
## [1] -1
## attr(,"match.length")
## [1] -1
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
##
## [[5]]
## [1] -1
## attr(,"match.length")
## [1] -1
## attr(,"index.type")
## [1] "chars"
## attr(,"useBytes")
## [1] TRUE
```

```r
sub("stat", "STAT", ww, ignore.case=T)
```

```
## [1] "STATistics" "eSTATe"     "castrate"    "catalyst"    "STATistics"
```

```r
library(stringr)
# dataset words, fruit, sentences
words
```

```
##   [1] "a"         "able"       "about"      "absolute"   "accept"
##   [6] "account"   "achieve"    "across"     "act"        "active"
##  [11] "actual"    "add"        "address"    "admit"      "advertise"
```

```
##  [16] "affect"      "afford"      "after"       "afternoon"  "again"
##  [21] "against"     "age"         "agent"       "ago"         "agree"
##  [26] "air"         "all"         "allow"       "almost"      "along"
##  [31] "already"     "alright"     "also"        "although"    "always"
##  [36] "america"     "amount"      "and"         "another"     "answer"
##  [41] "any"         "apart"       "apparent"    "appear"      "apply"
##  [46] "appoint"     "approach"    "appropriate" "area"        "argue"
##  [51] "arm"         "around"      "arrange"     "art"         "as"
##  [56] "ask"         "associate"   "assume"      "at"          "attend"
##  [61] "authority"   "available"   "aware"       "away"        "awful"
##  [66] "baby"        "back"        "bad"         "bag"         "balance"
##  [71] "ball"        "bank"        "bar"         "base"        "basis"
##  [76] "be"          "bear"        "beat"        "beauty"      "because"
##  [81] "become"      "bed"         "before"      "begin"       "behind"
##  [86] "believe"     "benefit"     "best"        "bet"         "between"
##  [91] "big"         "bill"        "birth"       "bit"         "black"
##  [96] "bloke"       "blood"       "blow"        "blue"        "board"
## [101] "boat"        "body"        "book"        "both"        "bother"
## [106] "bottle"      "bottom"      "box"         "boy"         "break"
## [111] "brief"       "brilliant"   "bring"       "britain"     "brother"
## [116] "budget"      "build"       "bus"         "business"    "busy"
## [121] "but"         "buy"         "by"          "cake"        "call"
## [126] "can"         "car"         "card"        "care"        "carry"
## [131] "case"        "cat"         "catch"       "cause"       "cent"
## [136] "centre"      "certain"     "chair"       "chairman"    "chance"
## [141] "change"      "chap"        "character"   "charge"      "cheap"
## [146] "check"       "child"       "choice"      "choose"      "Christ"
## [151] "Christmas"   "church"      "city"        "claim"       "class"
## [156] "clean"       "clear"       "client"      "clock"       "close"
## [161] "closes"      "clothe"      "club"        "coffee"      "cold"
## [166] "colleague"   "collect"     "college"     "colour"      "come"
## [171] "comment"     "commit"      "committee"   "common"      "community"
## [176] "company"     "compare"     "complete"    "compute"     "concern"
## [181] "condition"   "confer"      "consider"    "consult"     "contact"
## [186] "continue"    "contract"    "control"     "converse"    "cook"
## [191] "copy"        "corner"      "correct"     "cost"        "could"
## [196] "council"     "count"       "country"     "county"      "couple"
## [201] "course"      "court"       "cover"       "create"      "cross"
## [206] "cup"         "current"     "cut"         "dad"         "danger"
## [211] "date"        "day"         "dead"        "deal"        "dear"
## [216] "debate"      "decide"      "decision"    "deep"        "definite"
## [221] "degree"      "department"  "depend"      "describe"    "design"
## [226] "detail"      "develop"     "die"         "difference"  "difficult"
## [231] "dinner"      "direct"      "discuss"     "district"    "divide"
## [236] "do"          "doctor"      "document"    "dog"         "door"
## [241] "double"      "doubt"       "down"        "draw"        "dress"
## [246] "drink"       "drive"       "drop"        "dry"         "due"
## [251] "during"      "each"        "early"       "east"        "easy"
## [256] "eat"         "economy"     "educate"     "effect"      "egg"
## [261] "eight"       "either"      "elect"       "electric"    "eleven"
## [266] "else"        "employ"      "encourage"   "end"         "engine"
## [271] "english"     "enjoy"       "enough"      "enter"       "environment"
## [276] "equal"       "especial"    "europe"      "even"        "evening"
## [281] "ever"        "every"       "evidence"    "exact"       "example"
```

```
## [286] "except"       "excuse"      "exercise"    "exist"       "expect"
## [291] "expense"     "experience"  "explain"     "express"     "extra"
## [296] "eye"         "face"        "fact"        "fair"        "fall"
## [301] "family"      "far"         "farm"        "fast"        "father"
## [306] "favour"      "feed"        "feel"        "few"         "field"
## [311] "fight"       "figure"      "file"        "fill"        "film"
## [316] "final"       "finance"     "find"        "fine"        "finish"
## [321] "fire"        "first"       "fish"        "fit"         "five"
## [326] "flat"        "floor"       "fly"         "follow"      "food"
## [331] "foot"        "for"         "force"       "forget"      "form"
## [336] "fortune"     "forward"     "four"        "france"      "free"
## [341] "friday"      "friend"      "from"        "front"       "full"
## [346] "fun"         "function"    "fund"        "further"     "future"
## [351] "game"        "garden"      "gas"         "general"     "germany"
## [356] "get"         "girl"        "give"        "glass"       "go"
## [361] "god"         "good"        "goodbye"     "govern"      "grand"
## [366] "grant"       "great"       "green"       "ground"      "group"
## [371] "grow"        "guess"       "guy"         "hair"        "half"
## [376] "hall"        "hand"        "hang"        "happen"      "happy"
## [381] "hard"        "hate"        "have"        "he"          "head"
## [386] "health"      "hear"        "heart"       "heat"        "heavy"
## [391] "hell"        "help"        "here"        "high"        "history"
## [396] "hit"         "hold"        "holiday"     "home"        "honest"
## [401] "hope"        "horse"       "hospital"    "hot"         "hour"
## [406] "house"       "how"         "however"     "hullo"       "hundred"
## [411] "husband"     "idea"        "identify"    "if"          "imagine"
## [416] "important"   "improve"     "in"          "include"     "income"
## [421] "increase"    "indeed"      "individual"  "industry"    "inform"
## [426] "inside"      "instead"     "insure"      "interest"    "into"
## [431] "introduce"   "invest"      "involve"     "issue"       "it"
## [436] "item"        "jesus"       "job"         "join"        "judge"
## [441] "jump"        "just"        "keep"        "key"         "kid"
## [446] "kill"        "kind"        "king"        "kitchen"     "knock"
## [451] "know"        "labour"      "lad"         "lady"        "land"
## [456] "language"    "large"       "last"        "late"        "laugh"
## [461] "law"         "lay"         "lead"        "learn"       "leave"
## [466] "left"        "leg"         "less"        "let"         "letter"
## [471] "level"       "lie"         "life"        "light"       "like"
## [476] "likely"      "limit"       "line"        "link"        "list"
## [481] "listen"      "little"      "live"        "load"        "local"
## [486] "lock"        "london"      "long"        "look"        "lord"
## [491] "lose"        "lot"         "love"        "low"         "luck"
## [496] "lunch"       "machine"     "main"        "major"       "make"
## [501] "man"         "manage"      "many"        "mark"        "market"
## [506] "marry"       "match"       "matter"      "may"         "maybe"
## [511] "mean"        "meaning"     "measure"     "meet"        "member"
## [516] "mention"     "middle"      "might"       "mile"        "milk"
## [521] "million"     "mind"        "minister"    "minus"       "minute"
## [526] "miss"        "mister"      "moment"      "monday"      "money"
## [531] "month"       "more"        "morning"     "most"        "mother"
## [536] "motion"      "move"        "mrs"         "much"        "music"
## [541] "must"        "name"        "nation"      "nature"      "near"
## [546] "necessary"   "need"        "never"       "new"         "news"
## [551] "next"        "nice"        "night"       "nine"        "no"
```

```
## [556] "non"          "none"         "normal"       "north"        "not"
## [561] "note"         "notice"       "now"          "number"       "obvious"
## [566] "occasion"     "odd"          "of"           "off"          "offer"
## [571] "office"       "often"        "okay"         "old"          "on"
## [576] "once"         "one"          "only"         "open"         "operate"
## [581] "opportunity"  "oppose"       "or"           "order"        "organize"
## [586] "original"     "other"        "otherwise"    "ought"        "out"
## [591] "over"         "own"          "pack"         "page"         "paint"
## [596] "pair"         "paper"        "paragraph"    "pardon"       "parent"
## [601] "park"         "part"         "particular"   "party"        "pass"
## [606] "past"         "pay"          "pence"        "pension"      "people"
## [611] "per"          "percent"      "perfect"      "perhaps"      "period"
## [616] "person"       "photograph"   "pick"         "picture"      "piece"
## [621] "place"        "plan"         "play"         "please"       "plus"
## [626] "point"        "police"       "policy"       "politic"      "poor"
## [631] "position"     "positive"     "possible"     "post"         "pound"
## [636] "power"        "practise"     "prepare"      "present"      "press"
## [641] "pressure"     "presume"      "pretty"       "previous"     "price"
## [646] "print"        "private"      "probable"     "problem"      "proceed"
## [651] "process"      "produce"      "product"      "programme"    "project"
## [656] "proper"       "propose"      "protect"      "provide"      "public"
## [661] "pull"         "purpose"      "push"         "put"          "quality"
## [666] "quarter"      "question"     "quick"        "quid"         "quiet"
## [671] "quite"        "radio"        "rail"         "raise"        "range"
## [676] "rate"         "rather"       "read"         "ready"        "real"
## [681] "realise"      "really"       "reason"       "receive"      "recent"
## [686] "reckon"       "recognize"    "recommend"    "record"       "red"
## [691] "reduce"       "refer"        "regard"       "region"       "relation"
## [696] "remember"     "report"       "represent"    "require"      "research"
## [701] "resource"     "respect"      "responsible"  "rest"         "result"
## [706] "return"       "rid"          "right"        "ring"         "rise"
## [711] "road"         "role"         "roll"         "room"         "round"
## [716] "rule"         "run"          "safe"         "sale"         "same"
## [721] "saturday"     "save"         "say"          "scheme"       "school"
## [726] "science"      "score"        "scotland"     "seat"         "second"
## [731] "secretary"    "section"      "secure"       "see"          "seem"
## [736] "self"         "sell"         "send"         "sense"        "separate"
## [741] "serious"      "serve"        "service"      "set"          "settle"
## [746] "seven"        "sex"          "shall"        "share"        "she"
## [751] "sheet"        "shoe"         "shoot"        "shop"         "short"
## [756] "should"       "show"         "shut"         "sick"         "side"
## [761] "sign"         "similar"      "simple"       "since"        "sing"
## [766] "single"       "sir"          "sister"       "sit"          "site"
## [771] "situate"      "six"          "size"         "sleep"        "slight"
## [776] "slow"         "small"        "smoke"        "so"           "social"
## [781] "society"      "some"         "son"          "soon"         "sorry"
## [786] "sort"         "sound"        "south"        "space"        "speak"
## [791] "special"      "specific"     "speed"        "spell"        "spend"
## [796] "square"       "staff"        "stage"        "stairs"       "stand"
## [801] "standard"     "start"        "state"        "station"      "stay"
## [806] "step"         "stick"        "still"        "stop"         "story"
## [811] "straight"     "strategy"     "street"       "strike"       "strong"
## [816] "structure"    "student"      "study"        "stuff"        "stupid"
## [821] "subject"      "succeed"      "such"         "sudden"       "suggest"
```

```
## [826] "suit"        "summer"      "sun"         "sunday"      "supply"
## [831] "support"      "suppose"     "sure"        "surprise"    "switch"
## [836] "system"       "table"       "take"        "talk"        "tape"
## [841] "tax"          "tea"         "teach"       "team"        "telephone"
## [846] "television"   "tell"        "ten"         "tend"        "term"
## [851] "terrible"     "test"        "than"        "thank"       "the"
## [856] "then"         "there"       "therefore"   "they"        "thing"
## [861] "think"        "thirteen"    "thirty"      "this"        "thou"
## [866] "though"       "thousand"    "three"       "through"     "throw"
## [871] "thursday"     "tie"         "time"        "to"          "today"
## [876] "together"     "tomorrow"    "tonight"     "too"         "top"
## [881] "total"        "touch"       "toward"      "town"        "trade"
## [886] "traffic"      "train"       "transport"   "travel"      "treat"
## [891] "tree"         "trouble"     "true"        "trust"       "try"
## [896] "tuesday"      "turn"        "twelve"      "twenty"      "two"
## [901] "type"         "under"       "understand"  "union"       "unit"
## [906] "unite"        "university"  "unless"      "until"       "up"
## [911] "upon"         "use"         "usual"       "value"       "various"
## [916] "very"         "video"       "view"        "village"     "visit"
## [921] "vote"         "wage"        "wait"        "walk"        "wall"
## [926] "want"         "war"         "warm"        "wash"        "waste"
## [931] "watch"        "water"       "way"         "we"          "wear"
## [936] "wednesday"    "wee"         "week"        "weigh"       "welcome"
## [941] "well"         "west"        "what"        "when"        "where"
## [946] "whether"      "which"       "while"       "white"       "who"
## [951] "whole"        "why"         "wide"        "wife"        "will"
## [956] "win"          "wind"        "window"      "wish"        "with"
## [961] "within"       "without"     "woman"       "wonder"      "wood"
## [966] "word"         "work"        "world"       "worry"       "worse"
## [971] "worth"        "would"       "write"       "wrong"       "year"
## [976] "yes"          "yesterday"   "yet"         "you"         "young"
```

fruit

```
## [1]  "apple"          "apricot"          "avocado"
## [4]  "banana"         "bell pepper"      "bilberry"
## [7]  "blackberry"     "blackcurrant"     "blood orange"
## [10] "blueberry"      "boysenberry"      "breadfruit"
## [13] "canary melon"   "cantaloupe"       "cherimoya"
## [16] "cherry"         "chili pepper"     "clementine"
## [19] "cloudberry"     "coconut"          "cranberry"
## [22] "cucumber"       "currant"          "damson"
## [25] "date"           "dragonfruit"      "durian"
## [28] "eggplant"       "elderberry"       "feijoa"
## [31] "fig"            "goji berry"       "gooseberry"
## [34] "grape"          "grapefruit"       "guava"
## [37] "honeydew"       "huckleberry"      "jackfruit"
## [40] "jambul"         "jujube"           "kiwi fruit"
## [43] "kumquat"        "lemon"            "lime"
## [46] "loquat"         "lychee"           "mandarine"
## [49] "mango"          "mulberry"         "nectarine"
## [52] "nut"            "olive"            "orange"
## [55] "pamelo"         "papaya"           "passionfruit"
## [58] "peach"          "pear"             "persimmon"
```

```
## [61] "physalis"        "pineapple"      "plum"
## [64] "pomegranate"      "pomelo"         "purple mangosteen"
## [67] "quince"           "raisin"         "rambutan"
## [70] "raspberry"        "redcurrant"     "rock melon"
## [73] "salal berry"      "satsuma"        "star fruit"
## [76] "strawberry"       "tamarillo"      "tangerine"
## [79] "ugli fruit"       "watermelon"
```

sentences

```
##    [1] "The birch canoe slid on the smooth planks."
##    [2] "Glue the sheet to the dark blue background."
##    [3] "It's easy to tell the depth of a well."
##    [4] "These days a chicken leg is a rare dish."
##    [5] "Rice is often served in round bowls."
##    [6] "The juice of lemons makes fine punch."
##    [7] "The box was thrown beside the parked truck."
##    [8] "The hogs were fed chopped corn and garbage."
##    [9] "Four hours of steady work faced us."
##   [10] "A large size in stockings is hard to sell."
##   [11] "The boy was there when the sun rose."
##   [12] "A rod is used to catch pink salmon."
##   [13] "The source of the huge river is the clear spring."
##   [14] "Kick the ball straight and follow through."
##   [15] "Help the woman get back to her feet."
##   [16] "A pot of tea helps to pass the evening."
##   [17] "Smoky fires lack flame and heat."
##   [18] "The soft cushion broke the man's fall."
##   [19] "The salt breeze came across from the sea."
##   [20] "The girl at the booth sold fifty bonds."
##   [21] "The small pup gnawed a hole in the sock."
##   [22] "The fish twisted and turned on the bent hook."
##   [23] "Press the pants and sew a button on the vest."
##   [24] "The swan dive was far short of perfect."
##   [25] "The beauty of the view stunned the young boy."
##   [26] "Two blue fish swam in the tank."
##   [27] "Her purse was full of useless trash."
##   [28] "The colt reared and threw the tall rider."
##   [29] "It snowed, rained, and hailed the same morning."
##   [30] "Read verse out loud for pleasure."
##   [31] "Hoist the load to your left shoulder."
##   [32] "Take the winding path to reach the lake."
##   [33] "Note closely the size of the gas tank."
##   [34] "Wipe the grease off his dirty face."
##   [35] "Mend the coat before you go out."
##   [36] "The wrist was badly strained and hung limp."
##   [37] "The stray cat gave birth to kittens."
##   [38] "The young girl gave no clear response."
##   [39] "The meal was cooked before the bell rang."
##   [40] "What joy there is in living."
##   [41] "A king ruled the state in the early days."
##   [42] "The ship was torn apart on the sharp reef."
##   [43] "Sickness kept him home the third week."
##   [44] "The wide road shimmered in the hot sun."
```

```
##  [45] "The lazy cow lay in the cool grass."
##  [46] "Lift the square stone over the fence."
##  [47] "The rope will bind the seven books at once."
##  [48] "Hop over the fence and plunge in."
##  [49] "The friendly gang left the drug store."
##  [50] "Mesh wire keeps chicks inside."
##  [51] "The frosty air passed through the coat."
##  [52] "The crooked maze failed to fool the mouse."
##  [53] "Adding fast leads to wrong sums."
##  [54] "The show was a flop from the very start."
##  [55] "A saw is a tool used for making boards."
##  [56] "The wagon moved on well oiled wheels."
##  [57] "March the soldiers past the next hill."
##  [58] "A cup of sugar makes sweet fudge."
##  [59] "Place a rosebush near the porch steps."
##  [60] "Both lost their lives in the raging storm."
##  [61] "We talked of the side show in the circus."
##  [62] "Use a pencil to write the first draft."
##  [63] "He ran half way to the hardware store."
##  [64] "The clock struck to mark the third period."
##  [65] "A small creek cut across the field."
##  [66] "Cars and busses stalled in snow drifts."
##  [67] "The set of china hit the floor with a crash."
##  [68] "This is a grand season for hikes on the road."
##  [69] "The dune rose from the edge of the water."
##  [70] "Those words were the cue for the actor to leave."
##  [71] "A yacht slid around the point into the bay."
##  [72] "The two met while playing on the sand."
##  [73] "The ink stain dried on the finished page."
##  [74] "The walled town was seized without a fight."
##  [75] "The lease ran out in sixteen weeks."
##  [76] "A tame squirrel makes a nice pet."
##  [77] "The horn of the car woke the sleeping cop."
##  [78] "The heart beat strongly and with firm strokes."
##  [79] "The pearl was worn in a thin silver ring."
##  [80] "The fruit peel was cut in thick slices."
##  [81] "The Navy attacked the big task force."
##  [82] "See the cat glaring at the scared mouse."
##  [83] "There are more than two factors here."
##  [84] "The hat brim was wide and too droopy."
##  [85] "The lawyer tried to lose his case."
##  [86] "The grass curled around the fence post."
##  [87] "Cut the pie into large parts."
##  [88] "Men strive but seldom get rich."
##  [89] "Always close the barn door tight."
##  [90] "He lay prone and hardly moved a limb."
##  [91] "The slush lay deep along the street."
##  [92] "A wisp of cloud hung in the blue air."
##  [93] "A pound of sugar costs more than eggs."
##  [94] "The fin was sharp and cut the clear water."
##  [95] "The play seems dull and quite stupid."
##  [96] "Bail the boat to stop it from sinking."
##  [97] "The term ended in late june that year."
##  [98] "A Tusk is used to make costly gifts."
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##   [99] "Ten pins were set in order."
## [100] "The bill was paid every third week."
## [101] "Oak is strong and also gives shade."
## [102] "Cats and Dogs each hate the other."
## [103] "The pipe began to rust while new."
## [104] "Open the crate but don't break the glass."
## [105] "Add the sum to the product of these three."
## [106] "Thieves who rob friends deserve jail."
## [107] "The ripe taste of cheese improves with age."
## [108] "Act on these orders with great speed."
## [109] "The hog crawled under the high fence."
## [110] "Move the vat over the hot fire."
## [111] "The bark of the pine tree was shiny and dark."
## [112] "Leaves turn brown and yellow in the fall."
## [113] "The pennant waved when the wind blew."
## [114] "Split the log with a quick, sharp blow."
## [115] "Burn peat after the logs give out."
## [116] "He ordered peach pie with ice cream."
## [117] "Weave the carpet on the right hand side."
## [118] "Hemp is a weed found in parts of the tropics."
## [119] "A lame back kept his score low."
## [120] "We find joy in the simplest things."
## [121] "Type out three lists of orders."
## [122] "The harder he tried the less he got done."
## [123] "The boss ran the show with a watchful eye."
## [124] "The cup cracked and spilled its contents."
## [125] "Paste can cleanse the most dirty brass."
## [126] "The slang word for raw whiskey is booze."
## [127] "It caught its hind paw in a rusty trap."
## [128] "The wharf could be seen at the farther shore."
## [129] "Feel the heat of the weak dying flame."
## [130] "The tiny girl took off her hat."
## [131] "A cramp is no small danger on a swim."
## [132] "He said the same phrase thirty times."
## [133] "Pluck the bright rose without leaves."
## [134] "Two plus seven is less than ten."
## [135] "The glow deepened in the eyes of the sweet girl."
## [136] "Bring your problems to the wise chief."
## [137] "Write a fond note to the friend you cherish."
## [138] "Clothes and lodging are free to new men."
## [139] "We frown when events take a bad turn."
## [140] "Port is a strong wine with a smoky taste."
## [141] "The young kid jumped the rusty gate."
## [142] "Guess the result from the first scores."
## [143] "A salt pickle tastes fine with ham."
## [144] "The just claim got the right verdict."
## [145] "Those thistles bend in a high wind."
## [146] "Pure bred poodles have curls."
## [147] "The tree top waved in a graceful way."
## [148] "The spot on the blotter was made by green ink."
## [149] "Mud was spattered on the front of his white shirt."
## [150] "The cigar burned a hole in the desk top."
## [151] "The empty flask stood on the tin tray."
## [152] "A speedy man can beat this track mark."
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[153] "He broke a new shoelace that day."
[154] "The coffee stand is too high for the couch."
[155] "The urge to write short stories is rare."
[156] "The pencils have all been used."
[157] "The pirates seized the crew of the lost ship."
[158] "We tried to replace the coin but failed."
[159] "She sewed the torn coat quite neatly."
[160] "The sofa cushion is red and of light weight."
[161] "The jacket hung on the back of the wide chair."
[162] "At that high level the air is pure."
[163] "Drop the two when you add the figures."
[164] "A filing case is now hard to buy."
[165] "An abrupt start does not win the prize."
[166] "Wood is best for making toys and blocks."
[167] "The office paint was a dull, sad tan."
[168] "He knew the skill of the great young actress."
[169] "A rag will soak up spilled water."
[170] "A shower of dirt fell from the hot pipes."
[171] "Steam hissed from the broken valve."
[172] "The child almost hurt the small dog."
[173] "There was a sound of dry leaves outside."
[174] "The sky that morning was clear and bright blue."
[175] "Torn scraps littered the stone floor."
[176] "Sunday is the best part of the week."
[177] "The doctor cured him with these pills."
[178] "The new girl was fired today at noon."
[179] "They felt gay when the ship arrived in port."
[180] "Add the store's account to the last cent."
[181] "Acid burns holes in wool cloth."
[182] "Fairy tales should be fun to write."
[183] "Eight miles of woodland burned to waste."
[184] "The third act was dull and tired the players."
[185] "A young child should not suffer fright."
[186] "Add the column and put the sum here."
[187] "We admire and love a good cook."
[188] "There the flood mark is ten inches."
[189] "He carved a head from the round block of marble."
[190] "She has a smart way of wearing clothes."
[191] "The fruit of a fig tree is apple shaped."
[192] "Corn cobs can be used to kindle a fire."
[193] "Where were they when the noise started."
[194] "The paper box is full of thumb tacks."
[195] "Sell your gift to a buyer at a good gain."
[196] "The tongs lay beside the ice pail."
[197] "The petals fall with the next puff of wind."
[198] "Bring your best compass to the third class."
[199] "They could laugh although they were sad."
[200] "Farmers came in to thresh the oat crop."
[201] "The brown house was on fire to the attic."
[202] "The lure is used to catch trout and flounder."
[203] "Float the soap on top of the bath water."
[204] "A blue crane is a tall wading bird."
[205] "A fresh start will work such wonders."
[206] "The club rented the rink for the fifth night."

[207] "After the dance, they went straight home."
[208] "The hostess taught the new maid to serve."
[209] "He wrote his last novel there at the inn."
[210] "Even the worst will beat his low score."
[211] "The cement had dried when he moved it."
[212] "The loss of the second ship was hard to take."
[213] "The fly made its way along the wall."
[214] "Do that with a wooden stick."
[215] "Live wires should be kept covered."
[216] "The large house had hot water taps."
[217] "It is hard to erase blue or red ink."
[218] "Write at once or you may forget it."
[219] "The doorknob was made of bright clean brass."
[220] "The wreck occurred by the bank on Main Street."
[221] "A pencil with black lead writes best."
[222] "Coax a young calf to drink from a bucket."
[223] "Schools for ladies teach charm and grace."
[224] "The lamp shone with a steady green flame."
[225] "They took the axe and the saw to the forest."
[226] "The ancient coin was quite dull and worn."
[227] "The shaky barn fell with a loud crash."
[228] "Jazz and swing fans like fast music."
[229] "Rake the rubbish up and then burn it."
[230] "Slash the gold cloth into fine ribbons."
[231] "Try to have the court decide the case."
[232] "They are pushed back each time they attack."
[233] "He broke his ties with groups of former friends."
[234] "They floated on the raft to sun their white backs."
[235] "The map had an X that meant nothing."
[236] "Whitings are small fish caught in nets."
[237] "Some ads serve to cheat buyers."
[238] "Jerk the rope and the bell rings weakly."
[239] "A waxed floor makes us lose balance."
[240] "Madam, this is the best brand of corn."
[241] "On the islands the sea breeze is soft and mild."
[242] "The play began as soon as we sat down."
[243] "This will lead the world to more sound and fury."
[244] "Add salt before you fry the egg."
[245] "The rush for funds reached its peak Tuesday."
[246] "The birch looked stark white and lonesome."
[247] "The box is held by a bright red snapper."
[248] "To make pure ice, you freeze water."
[249] "The first worm gets snapped early."
[250] "Jump the fence and hurry up the bank."
[251] "Yell and clap as the curtain slides back."
[252] "They are men who walk the middle of the road."
[253] "Both brothers wear the same size."
[254] "In some form or other we need fun."
[255] "The prince ordered his head chopped off."
[256] "The houses are built of red clay bricks."
[257] "Ducks fly north but lack a compass."
[258] "Fruit flavors are used in fizz drinks."
[259] "These pills do less good than others."
[260] "Canned pears lack full flavor."

[261] "The dark pot hung in the front closet."
[262] "Carry the pail to the wall and spill it there."
[263] "The train brought our hero to the big town."
[264] "We are sure that one war is enough."
[265] "Gray paint stretched for miles around."
[266] "The rude laugh filled the empty room."
[267] "High seats are best for football fans."
[268] "Tea served from the brown jug is tasty."
[269] "A dash of pepper spoils beef stew."
[270] "A zestful food is the hot-cross bun."
[271] "The horse trotted around the field at a brisk pace."
[272] "Find the twin who stole the pearl necklace."
[273] "Cut the cord that binds the box tightly."
[274] "The red tape bound the smuggled food."
[275] "Look in the corner to find the tan shirt."
[276] "The cold drizzle will halt the bond drive."
[277] "Nine men were hired to dig the ruins."
[278] "The junk yard had a mouldy smell."
[279] "The flint sputtered and lit a pine torch."
[280] "Soak the cloth and drown the sharp odor."
[281] "The shelves were bare of both jam or crackers."
[282] "A joy to every child is the swan boat."
[283] "All sat frozen and watched the screen."
[284] "A cloud of dust stung his tender eyes."
[285] "To reach the end he needs much courage."
[286] "Shape the clay gently into block form."
[287] "A ridge on a smooth surface is a bump or flaw."
[288] "Hedge apples may stain your hands green."
[289] "Quench your thirst, then eat the crackers."
[290] "Tight curls get limp on rainy days."
[291] "The mute muffled the high tones of the horn."
[292] "The gold ring fits only a pierced ear."
[293] "The old pan was covered with hard fudge."
[294] "Watch the log float in the wide river."
[295] "The node on the stalk of wheat grew daily."
[296] "The heap of fallen leaves was set on fire."
[297] "Write fast if you want to finish early."
[298] "His shirt was clean but one button was gone."
[299] "The barrel of beer was a brew of malt and hops."
[300] "Tin cans are absent from store shelves."
[301] "Slide the box into that empty space."
[302] "The plant grew large and green in the window."
[303] "The beam dropped down on the workman's head."
[304] "Pink clouds floated with the breeze."
[305] "She danced like a swan, tall and graceful."
[306] "The tube was blown and the tire flat and useless."
[307] "It is late morning on the old wall clock."
[308] "Let's all join as we sing the last chorus."
[309] "The last switch cannot be turned off."
[310] "The fight will end in just six minutes."
[311] "The store walls were lined with colored frocks."
[312] "The peace league met to discuss their plans."
[313] "The rise to fame of a person takes luck."
[314] "Paper is scarce, so write with much care."

[315] "The quick fox jumped on the sleeping cat."
[316] "The nozzle of the fire hose was bright brass."
[317] "Screw the round cap on as tight as needed."
[318] "Time brings us many changes."
[319] "The purple tie was ten years old."
[320] "Men think and plan and sometimes act."
[321] "Fill the ink jar with sticky glue."
[322] "He smoke a big pipe with strong contents."
[323] "We need grain to keep our mules healthy."
[324] "Pack the records in a neat thin case."
[325] "The crunch of feet in the snow was the only sound."
[326] "The copper bowl shone in the sun's rays."
[327] "Boards will warp unless kept dry."
[328] "The plush chair leaned against the wall."
[329] "Glass will clink when struck by metal."
[330] "Bathe and relax in the cool green grass."
[331] "Nine rows of soldiers stood in a line."
[332] "The beach is dry and shallow at low tide."
[333] "The idea is to sew both edges straight."
[334] "The kitten chased the dog down the street."
[335] "Pages bound in cloth make a book."
[336] "Try to trace the fine lines of the painting."
[337] "Women form less than half of the group."
[338] "The zones merge in the central part of town."
[339] "A gem in the rough needs work to polish."
[340] "Code is used when secrets are sent."
[341] "Most of the news is easy for us to hear."
[342] "He used the lathe to make brass objects."
[343] "The vane on top of the pole revolved in the wind."
[344] "Mince pie is a dish served to children."
[345] "The clan gathered on each dull night."
[346] "Let it burn, it gives us warmth and comfort."
[347] "A castle built from sand fails to endure."
[348] "A child's wit saved the day for us."
[349] "Tack the strip of carpet to the worn floor."
[350] "Next Tuesday we must vote."
[351] "Pour the stew from the pot into the plate."
[352] "Each penny shone like new."
[353] "The man went to the woods to gather sticks."
[354] "The dirt piles were lines along the road."
[355] "The logs fell and tumbled into the clear stream."
[356] "Just hoist it up and take it away."
[357] "A ripe plum is fit for a king's palate."
[358] "Our plans right now are hazy."
[359] "Brass rings are sold by these natives."
[360] "It takes a good trap to capture a bear."
[361] "Feed the white mouse some flower seeds."
[362] "The thaw came early and freed the stream."
[363] "He took the lead and kept it the whole distance."
[364] "The key you designed will fit the lock."
[365] "Plead to the council to free the poor thief."
[366] "Better hash is made of rare beef."
[367] "This plank was made for walking on ."
[368] "The lake sparkled in the red hot sun."

[369] "He crawled with care along the ledge."
[370] "Tend the sheep while the dog wanders."
[371] "It takes a lot of help to finish these."
[372] "Mark the spot with a sign painted red."
[373] "Take two shares as a fair profit."
[374] "The fur of cats goes by many names."
[375] "North winds bring colds and fevers."
[376] "He asks no person to vouch for him."
[377] "Go now and come here later."
[378] "A sash of gold silk will trim her dress."
[379] "Soap can wash most dirt away."
[380] "That move means the game is over."
[381] "He wrote down a long list of items."
[382] "A siege will crack the strong defense."
[383] "Grape juice and water mix well."
[384] "Roads are paved with sticky tar."
[385] "Fake stones shine but cost little."
[386] "The drip of the rain made a pleasant sound."
[387] "Smoke poured out of every crack."
[388] "Serve the hot rum to the tired heroes."
[389] "Much of the story makes good sense."
[390] "The sun came up to light the eastern sky."
[391] "Heave the line over the port side."
[392] "A lathe cuts and trims any wood."
[393] "It's a dense crowd in two distinct ways."
[394] "His hip struck the knee of the next player."
[395] "The stale smell of old beer lingers."
[396] "The desk was firm on the shaky floor."
[397] "It takes heat to bring out the odor."
[398] "Beef is scarcer than some lamb."
[399] "Raise the sail and steer the ship northward."
[400] "A cone costs five cents on Mondays."
[401] "A pod is what peas always grow in."
[402] "Jerk that dart from the cork target."
[403] "No cement will hold hard wood."
[404] "We now have a new base for shipping."
[405] "A list of names is carved around the base."
[406] "The sheep were led home by a dog."
[407] "Three for a dime, the young peddler cried."
[408] "The sense of smell is better than that of touch."
[409] "No hardship seemed to make him sad."
[410] "Grace makes up for lack of beauty."
[411] "Nudge gently but wake her now."
[412] "The news struck doubt into restless minds."
[413] "Once we stood beside the shore."
[414] "A chink in the wall allowed a draft to blow."
[415] "Fasten two pins on each side."
[416] "A cold dip restores health and zest."
[417] "He takes the oath of office each March."
[418] "The sand drifts over the sills of the old house."
[419] "The point of the steel pen was bent and twisted."
[420] "There is a lag between thought and act."
[421] "Seed is needed to plant the spring corn."
[422] "Draw the chart with heavy black lines."

[423] "The boy owed his pal thirty cents."
[424] "The chap slipped into the crowd and was lost."
[425] "Hats are worn to tea and not to dinner."
[426] "The ramp led up to the wide highway."
[427] "Beat the dust from the rug onto the lawn."
[428] "Say it slowly but make it ring clear."
[429] "The straw nest housed five robins."
[430] "Screen the porch with woven straw mats."
[431] "This horse will nose his way to the finish."
[432] "The dry wax protects the deep scratch."
[433] "He picked up the dice for a second roll."
[434] "These coins will be needed to pay his debt."
[435] "The nag pulled the frail cart along."
[436] "Twist the valve and release hot steam."
[437] "The vamp of the shoe had a gold buckle."
[438] "The smell of burned rags itches my nose."
[439] "New pants lack cuffs and pockets."
[440] "The marsh will freeze when cold enough."
[441] "They slice the sausage thin with a knife."
[442] "The bloom of the rose lasts a few days."
[443] "A gray mare walked before the colt."
[444] "Breakfast buns are fine with a hot drink."
[445] "Bottles hold four kinds of rum."
[446] "The man wore a feather in his felt hat."
[447] "He wheeled the bike past the winding road."
[448] "Drop the ashes on the worn old rug."
[449] "The desk and both chairs were painted tan."
[450] "Throw out the used paper cup and plate."
[451] "A clean neck means a neat collar."
[452] "The couch cover and hall drapes were blue."
[453] "The stems of the tall glasses cracked and broke."
[454] "The wall phone rang loud and often."
[455] "The clothes dried on a thin wooden rack."
[456] "Turn out the lantern which gives us light."
[457] "The cleat sank deeply into the soft turf."
[458] "The bills were mailed promptly on the tenth of the month."
[459] "To have is better than to wait and hope."
[460] "The price is fair for a good antique clock."
[461] "The music played on while they talked."
[462] "Dispense with a vest on a day like this."
[463] "The bunch of grapes was pressed into wine."
[464] "He sent the figs, but kept the ripe cherries."
[465] "The hinge on the door creaked with old age."
[466] "The screen before the fire kept in the sparks."
[467] "Fly by night and you waste little time."
[468] "Thick glasses helped him read the print."
[469] "Birth and death marks the limits of life."
[470] "The chair looked strong but had no bottom."
[471] "The kite flew wildly in the high wind."
[472] "A fur muff is stylish once more."
[473] "The tin box held priceless stones."
[474] "We need an end of all such matter."
[475] "The case was puzzling to the old and wise."
[476] "The bright lanterns were gay on the dark lawn."

[477] "We don't get much money but we have fun."
[478] "The youth drove with zest, but little skill."
[479] "Five years he lived with a shaggy dog."
[480] "A fence cuts through the corner lot."
[481] "The way to save money is not to spend much."
[482] "Shut the hatch before the waves push it in."
[483] "The odor of spring makes young hearts jump."
[484] "Crack the walnut with your sharp side teeth."
[485] "He offered proof in the form of a large chart."
[486] "Send the stuff in a thick paper bag."
[487] "A quart of milk is water for the most part."
[488] "They told wild tales to frighten him."
[489] "The three story house was built of stone."
[490] "In the rear of the ground floor was a large passage."
[491] "A man in a blue sweater sat at the desk."
[492] "Oats are a food eaten by horse and man."
[493] "Their eyelids droop for want of sleep."
[494] "A sip of tea revives his tired friend."
[495] "There are many ways to do these things."
[496] "Tuck the sheet under the edge of the mat."
[497] "A force equal to that would move the earth."
[498] "We like to see clear weather."
[499] "The work of the tailor is seen on each side."
[500] "Take a chance and win a china doll."
[501] "Shake the dust from your shoes, stranger."
[502] "She was kind to sick old people."
[503] "The square wooden crate was packed to be shipped."
[504] "The dusty bench stood by the stone wall."
[505] "We dress to suit the weather of most days."
[506] "Smile when you say nasty words."
[507] "A bowl of rice is free with chicken stew."
[508] "The water in this well is a source of good health."
[509] "Take shelter in this tent, but keep still."
[510] "That guy is the writer of a few banned books."
[511] "The little tales they tell are false."
[512] "The door was barred, locked, and bolted as well."
[513] "Ripe pears are fit for a queen's table."
[514] "A big wet stain was on the round carpet."
[515] "The kite dipped and swayed, but stayed aloft."
[516] "The pleasant hours fly by much too soon."
[517] "The room was crowded with a wild mob."
[518] "This strong arm shall shield your honor."
[519] "She blushed when he gave her a white orchid."
[520] "The beetle droned in the hot June sun."
[521] "Press the pedal with your left foot."
[522] "Neat plans fail without luck."
[523] "The black trunk fell from the landing."
[524] "The bank pressed for payment of the debt."
[525] "The theft of the pearl pin was kept secret."
[526] "Shake hands with this friendly child."
[527] "The vast space stretched into the far distance."
[528] "A rich farm is rare in this sandy waste."
[529] "His wide grin earned many friends."
[530] "Flax makes a fine brand of paper."

[531] "Hurdle the pit with the aid of a long pole."
[532] "A strong bid may scare your partner stiff."
[533] "Even a just cause needs power to win."
[534] "Peep under the tent and see the clowns."
[535] "The leaf drifts along with a slow spin."
[536] "Cheap clothes are flashy but don't last."
[537] "A thing of small note can cause despair."
[538] "Flood the mails with requests for this book."
[539] "A thick coat of black paint covered all."
[540] "The pencil was cut to be sharp at both ends."
[541] "Those last words were a strong statement."
[542] "He wrote his name boldly at the top of the sheet."
[543] "Dill pickles are sour but taste fine."
[544] "Down that road is the way to the grain farmer."
[545] "Either mud or dust are found at all times."
[546] "The best method is to fix it in place with clips."
[547] "If you mumble your speech will be lost."
[548] "At night the alarm roused him from a deep sleep."
[549] "Read just what the meter says."
[550] "Fill your pack with bright trinkets for the poor."
[551] "The small red neon lamp went out."
[552] "Clams are small, round, soft, and tasty."
[553] "The fan whirled its round blades softly."
[554] "The line where the edges join was clean."
[555] "Breathe deep and smell the piny air."
[556] "It matters not if he reads these words or those."
[557] "A brown leather bag hung from its strap."
[558] "A toad and a frog are hard to tell apart."
[559] "A white silk jacket goes with any shoes."
[560] "A break in the dam almost caused a flood."
[561] "Paint the sockets in the wall dull green."
[562] "The child crawled into the dense grass."
[563] "Bribes fail where honest men work."
[564] "Trample the spark, else the flames will spread."
[565] "The hilt of the sword was carved with fine designs."
[566] "A round hole was drilled through the thin board."
[567] "Footprints showed the path he took up the beach."
[568] "She was waiting at my front lawn."
[569] "A vent near the edge brought in fresh air."
[570] "Prod the old mule with a crooked stick."
[571] "It is a band of steel three inches wide."
[572] "The pipe ran almost the length of the ditch."
[573] "It was hidden from sight by a mass of leaves and shrubs."
[574] "The weight of the package was seen on the high scale."
[575] "Wake and rise, and step into the green outdoors."
[576] "The green light in the brown box flickered."
[577] "The brass tube circled the high wall."
[578] "The lobes of her ears were pierced to hold rings."
[579] "Hold the hammer near the end to drive the nail."
[580] "Next Sunday is the twelfth of the month."
[581] "Every word and phrase he speaks is true."
[582] "He put his last cartridge into the gun and fired."
[583] "They took their kids from the public school."
[584] "Drive the screw straight into the wood."

[585] "Keep the hatch tight and the watch constant."
[586] "Sever the twine with a quick snip of the knife."
[587] "Paper will dry out when wet."
[588] "Slide the catch back and open the desk."
[589] "Help the weak to preserve their strength."
[590] "A sullen smile gets few friends."
[591] "Stop whistling and watch the boys march."
[592] "Jerk the cord, and out tumbles the gold."
[593] "Slide the tray across the glass top."
[594] "The cloud moved in a stately way and was gone."
[595] "Light maple makes for a swell room."
[596] "Set the piece here and say nothing."
[597] "Dull stories make her laugh."
[598] "A stiff cord will do to fasten your shoe."
[599] "Get the trust fund to the bank early."
[600] "Choose between the high road and the low."
[601] "A plea for funds seems to come again."
[602] "He lent his coat to the tall gaunt stranger."
[603] "There is a strong chance it will happen once more."
[604] "The duke left the park in a silver coach."
[605] "Greet the new guests and leave quickly."
[606] "When the frost has come it is time for turkey."
[607] "Sweet words work better than fierce."
[608] "A thin stripe runs down the middle."
[609] "A six comes up more often than a ten."
[610] "Lush ferns grow on the lofty rocks."
[611] "The ram scared the school children off."
[612] "The team with the best timing looks good."
[613] "The farmer swapped his horse for a brown ox."
[614] "Sit on the perch and tell the others what to do."
[615] "A steep trail is painful for our feet."
[616] "The early phase of life moves fast."
[617] "Green moss grows on the northern side."
[618] "Tea in thin china has a sweet taste."
[619] "Pitch the straw through the door of the stable."
[620] "The latch on the back gate needed a nail."
[621] "The goose was brought straight from the old market."
[622] "The sink is the thing in which we pile dishes."
[623] "A whiff of it will cure the most stubborn cold."
[624] "The facts don't always show who is right."
[625] "She flaps her cape as she parades the street."
[626] "The loss of the cruiser was a blow to the fleet."
[627] "Loop the braid to the left and then over."
[628] "Plead with the lawyer to drop the lost cause."
[629] "Calves thrive on tender spring grass."
[630] "Post no bills on this office wall."
[631] "Tear a thin sheet from the yellow pad."
[632] "A cruise in warm waters in a sleek yacht is fun."
[633] "A streak of color ran down the left edge."
[634] "It was done before the boy could see it."
[635] "Crouch before you jump or miss the mark."
[636] "Pack the kits and don't forget the salt."
[637] "The square peg will settle in the round hole."
[638] "Fine soap saves tender skin."

[639] "Poached eggs and tea must suffice."
[640] "Bad nerves are jangled by a door slam."
[641] "Ship maps are different from those for planes."
[642] "Dimes showered down from all sides."
[643] "They sang the same tunes at each party."
[644] "The sky in the west is tinged with orange red."
[645] "The pods of peas ferment in bare fields."
[646] "The horse balked and threw the tall rider."
[647] "The hitch between the horse and cart broke."
[648] "Pile the coal high in the shed corner."
[649] "A gold vase is both rare and costly."
[650] "The knife was hung inside its bright sheath."
[651] "The rarest spice comes from the far East."
[652] "The roof should be tilted at a sharp slant."
[653] "A smatter of French is worse than none."
[654] "The mule trod the treadmill day and night."
[655] "The aim of the contest is to raise a great fund."
[656] "To send it now in large amounts is bad."
[657] "There is a fine hard tang in salty air."
[658] "Cod is the main business of the north shore."
[659] "The slab was hewn from heavy blocks of slate."
[660] "Dunk the stale biscuits into strong drink."
[661] "Hang tinsel from both branches."
[662] "Cap the jar with a tight brass cover."
[663] "The poor boy missed the boat again."
[664] "Be sure to set that lamp firmly in the hole."
[665] "Pick a card and slip it under the pack."
[666] "A round mat will cover the dull spot."
[667] "The first part of the plan needs changing."
[668] "A good book informs of what we ought to know."
[669] "The mail comes in three batches per day."
[670] "You cannot brew tea in a cold pot."
[671] "Dots of light betrayed the black cat."
[672] "Put the chart on the mantel and tack it down."
[673] "The night shift men rate extra pay."
[674] "The red paper brightened the dim stage."
[675] "See the player scoot to third base."
[676] "Slide the bill between the two leaves."
[677] "Many hands help get the job done."
[678] "We don't like to admit our small faults."
[679] "No doubt about the way the wind blows."
[680] "Dig deep in the earth for pirate's gold."
[681] "The steady drip is worse than a drenching rain."
[682] "A flat pack takes less luggage space."
[683] "Green ice frosted the punch bowl."
[684] "A stuffed chair slipped from the moving van."
[685] "The stitch will serve but needs to be shortened."
[686] "A thin book fits in the side pocket."
[687] "The gloss on top made it unfit to read."
[688] "The hail pattered on the burnt brown grass."
[689] "Seven seals were stamped on great sheets."
[690] "Our troops are set to strike heavy blows."
[691] "The store was jammed before the sale could start."
[692] "It was a bad error on the part of the new judge."

```
## [693] "One step more and the board will collapse."
## [694] "Take the match and strike it against your shoe."
## [695] "The pot boiled but the contents failed to jell."
## [696] "The baby puts his right foot in his mouth."
## [697] "The bombs left most of the town in ruins."
## [698] "Stop and stare at the hard working man."
## [699] "The streets are narrow and full of sharp turns."
## [700] "The pup jerked the leash as he saw a feline shape."
## [701] "Open your book to the first page."
## [702] "Fish evade the net and swim off."
## [703] "Dip the pail once and let it settle."
## [704] "Will you please answer that phone."
## [705] "The big red apple fell to the ground."
## [706] "The curtain rose and the show was on."
## [707] "The young prince became heir to the throne."
## [708] "He sent the boy on a short errand."
## [709] "Leave now and you will arrive on time."
## [710] "The corner store was robbed last night."
## [711] "A gold ring will please most any girl."
## [712] "The long journey home took a year."
## [713] "She saw a cat in the neighbor's house."
## [714] "A pink shell was found on the sandy beach."
## [715] "Small children came to see him."
## [716] "The grass and bushes were wet with dew."
## [717] "The blind man counted his old coins."
## [718] "A severe storm tore down the barn."
## [719] "She called his name many times."
## [720] "When you hear the bell, come quickly."
```

```r
sum(str_length(sentences))
```

```
## [1] 28335
```

```r
str_split(sentences[1], " ")
```

```
## [[1]]
## [1] "The"     "birch"   "canoe"   "slid"    "on"      "the"     "smooth"
## [8] "planks."
```

```r
str_c("one for all","All for one",sep=",") #combine these string and separate by comma
```

```
## [1] "one for all,All for one"
```

```r
str_c("one for all","All for one",collapse=",") #combine the string to be one sentences
```

```
## [1] "one for allAll for one"
```

```r
library(tm)
```

```
## Loading required package: NLP
```

```r
docs = Corpus(VectorSource(sentences))

docs = tm_map(docs, removePunctuation)
```

Warning in tm_map.SimpleCorpus(docs, removePunctuation): transformation drops
documents

```r
docs = tm_map(docs, content_transformer(tolower))
```

Warning in tm_map.SimpleCorpus(docs, content_transformer(tolower)):
transformation drops documents

```r
docs = tm_map(docs, removeNumbers)
```

Warning in tm_map.SimpleCorpus(docs, removeNumbers): transformation drops
documents

```r
docs = tm_map(docs, removeWords, stopwords("english"))
```

Warning in tm_map.SimpleCorpus(docs, removeWords, stopwords("english")):
transformation drops documents

```r
docs = tm_map(docs, stripWhitespace)
```

Warning in tm_map.SimpleCorpus(docs, stripWhitespace): transformation drops
documents

```r
docs = tm_map(docs, stemDocument) # stemming doc (e.g., eating -> eat)
```

Warning in tm_map.SimpleCorpus(docs, stemDocument): transformation drops
documents

```r
dtm = TermDocumentMatrix(docs) # Term Document matrix
m = as.matrix(dtm)
v = sort(rowSums(m), decreasing=T)
df = data.frame(word=names(v), freq=v)

library(wordcloud2)
wordcloud2(df)
```