>

> json.data <- fromJSON(paste(readLines(json.file), collapse="")

+ )

> str(json.data)

List of 2

$ response :List of 3

..$ version : chr "0.1"

..$ termsofService: chr "http://www.wunderground.com/weather/api/d/terms.html"

..$ features :List of 1

.. ..$ conditions: num 1

$ current\_observation:List of 56

..$ image :List of 3

.. ..$ url : chr "http://icons.wxug.com/graphics/wu2/logo\_130x80.png"

.. ..$ title: chr "Weather Underground"

.. ..$ link : chr "http://www.wunderground.com"

..$ display\_location :List of 12

.. ..$ full : chr "San Francisco, CA"

.. ..$ city : chr "San Francisco"

.. ..$ state : chr "CA"

.. ..$ state\_name : chr "California"

.. ..$ country : chr "US"

.. ..$ country\_iso3166: chr "US"

.. ..$ zip : chr "94101"

.. ..$ magic : chr "1"

.. ..$ wmo : chr "99999"

.. ..$ latitude : chr "37.77500916"

.. ..$ longitude : chr "-122.41825867"

.. ..$ elevation : chr "47.00000000"

..$ observation\_location :List of 8

.. ..$ full : chr "SOMA - Near Van Ness, San Francisco, California"

.. ..$ city : chr "SOMA - Near Van Ness, San Francisco"

.. ..$ state : chr "California"

.. ..$ country : chr "US"

.. ..$ country\_iso3166: chr "US"

.. ..$ latitude : chr "37.773285"

.. ..$ longitude : chr "-122.417725"

.. ..$ elevation : chr "49 ft"

..$ estimated : list()

..$ station\_id : chr "KCASANFR58"

..$ observation\_time : chr "Last Updated on September 18, 8:34 AM PDT"

..$ observation\_time\_rfc822: chr "Thu, 18 Sep 2014 08:34:18 -0700"

..$ observation\_epoch : chr "1411054458"

..$ local\_time\_rfc822 : chr "Thu, 18 Sep 2014 08:34:45 -0700"

..$ local\_epoch : chr "1411054485"

..$ local\_tz\_short : chr "PDT"

..$ local\_tz\_long : chr "America/Los\_Angeles"

..$ local\_tz\_offset : chr "-0700"

..$ weather : chr "Overcast"

..$ temperature\_string : chr "70.9 F (21.6 C)"

..$ temp\_f : num 70.9

..$ temp\_c : num 21.6

..$ relative\_humidity : chr "85%"

..$ wind\_string : chr "Calm"

..$ wind\_dir : chr "NNE"

..$ wind\_degrees : num 33

..$ wind\_mph : num 0

..$ wind\_gust\_mph : num 0

..$ wind\_kph : num 0

..$ wind\_gust\_kph : num 0

..$ pressure\_mb : chr "1010"

..$ pressure\_in : chr "29.84"

..$ pressure\_trend : chr "+"

..$ dewpoint\_string : chr "66 F (19 C)"

..$ dewpoint\_f : num 66

..$ dewpoint\_c : num 19

..$ heat\_index\_string : chr "NA"

..$ heat\_index\_f : chr "NA"

..$ heat\_index\_c : chr "NA"

..$ windchill\_string : chr "NA"

..$ windchill\_f : chr "NA"

..$ windchill\_c : chr "NA"

..$ feelslike\_string : chr "70.9 F (21.6 C)"

..$ feelslike\_f : chr "70.9"

..$ feelslike\_c : chr "21.6"

..$ visibility\_mi : chr "10.0"

..$ visibility\_km : chr "16.1"

..$ solarradiation : chr "--"

..$ UV : chr "0"

..$ precip\_1hr\_string : chr "0.00 in ( 0 mm)"

..$ precip\_1hr\_in : chr "0.00"

..$ precip\_1hr\_metric : chr " 0"

..$ precip\_today\_string : chr "0.05 in (1 mm)"

..$ precip\_today\_in : chr "0.05"

..$ precip\_today\_metric : chr "1"

..$ icon : chr "cloudy"

..$ icon\_url : chr "http://icons.wxug.com/i/c/k/cloudy.gif"

..$ forecast\_url : chr "http://www.wunderground.com/US/CA/San\_Francisco.html"

..$ history\_url : chr "http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KCASANFR58"

..$ ob\_url : chr "http://www.wunderground.com/cgi-bin/findweather/getForecast?query=37.773285,-122.417725"

..$ nowcast : chr ""

> json.data$current\_observation$display\_location$latitude

[1] "37.77500916"

> is.numeric(json.data$current\_observation$display\_location$latitude)

[1] FALSE

> is.character(json.data$current\_observation$display\_location$latitude)

[1] TRUE

> json.data$current\_observation$observation\_time

[1] "Last Updated on September 18, 8:34 AM PDT"

> is.character(json.data$current\_observation$temperature\_string)

[1] TRUE

> json.data$current\_observation$temperature\_string

[1] "70.9 F (21.6 C)"

> is.character(json.data$current\_observation$temperature\_string)

[1] TRUE

> json.data$current\_observation$temp\_f

[1] 70.9

> is.character(json.data$current\_observation$temp\_f)

[1] FALSE

> is.numeric(json.data$current\_observation$temp\_f)

[1] TRUE

> obs.location <- rep(NA,length(json.data$current\_observation$observation\_location))

> for (n in 1:length(json.data$current\_observation$observation\_location)) {

+ obs.location[n] <- json.data$current\_observation$observation\_location [[n]]

+ }

> obs.location

[1] "SOMA - Near Van Ness, San Francisco, California"

[2] "SOMA - Near Van Ness, San Francisco"

[3] "California"

[4] "US"

[5] "US"

[6] "37.773285"

[7] "-122.417725"

[8] "49 ft"

> obs.location[8]

[1] "49 ft"

> save.image("C:\\Users\\compa\_000\\SkyDrive\\Documents\\2014-2015\\Fall 2014\\ISAT 252\\Wunderground San Francisco")

>