## DATA SCIENCE NOTES

	A LILLY OF DIELO	and the same of th
	Data Wrangling	
	Verb Action	Goals of Wrangling
	arrange() arrange the rows by	column · Keep certain variables
	filter () filter a subset of ro	1980년 - 100 Billion (1980년 - 1980년 - 1980년 - 1982년 - 1
	Select () select a subset of colum	
	mutate () mutate or create a colum	
	Summarize () calculate a numerical sum	
	group-by () group rows by column	
	Filtering Dates	
	Symbol meaning mulate to dates from  == equal to year (today)	0
	!= not equal to month (today) ]	
	> greater than week ( today ) ?	) Combine values into 1 variable
		Prot-wider (data,
	2 las than your (tray)	names - from = "name",
	2= "i" knd equal to wday ( hoday) - I  %in%, ((,)   a list of mutiple  youndles	values - from = "value")
	%in%, ((,) a list of motiple	Spread values across new variables
	Janina	
	Mutating Joins	Filtering Joins
	left-bin () keeps all obserations from	Semi-Doin() disaids absenutions in
	the left but discards right ones that don't malch	left unthout match in right, if multiple
	Inna-bin() keep only observations that	matches in left keeps only 7.
	match in both right and left	anti-Join () Distards observations in
	full - Join () Keeps all observations	left that don't match in right.
	Factors Strings	
	order of factor levels + labels  Fit-relevel() manually reorder levels  Fit-replace() finds first part and replaces  Fit-reorder() reorder by another variable  Fit-reorder() reorder by another variable  Fit-reorder() hybrid to lowest frequency  Fit-rev() reverse current order  Str-Sub() only keeps asubset of the string  Fit-rev() manually change levels  Str-length() number of charackers	
-0		
	fct-lump () group least conon values Str-detect() if "-" is in the string = True	
	Data Import: read_BSV(), read_delim(), read_sheet(), st_read()	
	Date with the second se	