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Week 4 - Dedardive SQL Analysis  Where do we get data from??	
Week 4 - Dedarodive SQL Analysis	/ /_
Where do we get dada from??	
- provided (csv, excel, xml, ison) datasets.	
by organisation / diallable from online	
web staping	· · · · · · · · · · · · · · · · · · ·
Aelational databases	
relation: named, two-dimensional table data	
	· · · · · · · · · · · · · · · · · · ·
This week's objective	
RD13MS + Python X analysis with soc	<u></u>
CSV - DB via pytion	
then use sac to analyse that data.	
SQL- structured query language.	
· DOL, DML	
create, drop retieve information	
regarding tables Insert, update, atte delete, select from	<u> </u>
	janje s
Table constraints & relationar key	
· pts unique, not null	10. 11 1000
zalso eneck(), default	can be
. FK: refers to candiate key of parent table.	1 composite
DML Stuffs	

	<u></u>
Loading data into sac	T
Approach A (copy)	T
(in psq1)	- <del>5</del>
(COPY (fable) FROM (Filename) (SV CHEADER)	
pro: fast, no programming	1
con: only supports 1:1 mapping (from only one file source)	-
no data cleaning I transformation : prone to error, crash	. 2
Approach B: Python manually-defined function	1
1. Create connection (pgconnect)	
2. cleate tables (conn. execute)	-
3. df = pd. 1ead - csvc)	
4. df. to-sql on conn	
pro: flexible data cleaning / transformation	2
con: looking lequired	
df. to_sql (table_name, conn if_exists = 'leplace')	
	3
Data cleaning with Python?	7
· type conversion 7 For every row in a specimed table,	
-intc), floatc) - check row is one of top special values	
- datetime stiptime() - check casting runs wio error	
missing values - if one, default value.	
- to some or NaN and I was good explose mp, man	6
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