

SQL Cheat Sheet



The Basics

select	group by	=	<=	not
from	having	!=	>=	in
where	order by	<	True	between
	limit	>	False	



Aggregate Functions

min()	count()	w/ group by
max()	median()	w/ having
avg()	mode()	w/ distinct
	stddev()	



String Manipulation

concat()	upper()	wildcards (%)
replace()	lower()	like / ilike
reverse()	len()	
trim()	str()	



Date Manipulation

day()	date_add()
month()	datediff()
year()	date_trunc()
getdate()	date_format()



Joins

inner join	anti join
left join	joining on multiple keys
outer join	joining on a condition
self join	



Cleaning & Transformation

cast()	iif()	Union
coalesce()	listagg()	Union All
case when	except	Intersect
ifnull()		Minus



Window Functions

sum()	row_number()	
count()	rank()	over(
avg()	denserank()	partition by ...
max()	lead()	order by ...)
min()	lag()	



Advanced

- CTEs
- Subqueries (correlated vs. uncorrelated)
- UDFs
- Data Modeling