# LaTex commands that can help when typing relational algebra expressions

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# Some LateX Commands

| Symbol/Expression | LaTex command | Notes |
|---|---|---|
| $\sigma_c$ | \sigma_{c} | Selection operator. Var c can be any string, as long as it is between {} |
| $\rho$ | \rho | Renaming operator |
| $\pi_{attr1,attr2}$ | \pi_{attr1,attr2} | Projection operator. Any string between {}will be typed in the same location as attr1,attr2 |
| $\times$ | \times | Cross Product |
| $\bowtie$ | \Join | Join |
| $\bowtie_c$ | \Join_{c} | c, can be any string, as long as it is between {} |
| $\cup$ | \cup | Union |
| $\cap$ | \cap | Intersection |
| $-$ | - | Set-difference |
| | | |

# Some LateX Commands

| Symbol/Expression | LaTex command | Notes |
|---|---|---|
| $\vee$ | \vee | OR |
| $\wedge$ | \wedge | AND |
| $\neg$ | \neg | NOT |
| / | / | Division |
| $\div$ | \div | Division (other notation) |
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# Note

- If instead of using LaTeX, you use Word and insert equations, there are some differences for some of these commands. For example, to write $\pi$ sub condition (e.g. $\pi_{name,address}$), the _{name,address} will not work. Also, in Word \Join is replaced by \bowtie . Always check and make sure the displayed expression looks as expected.