



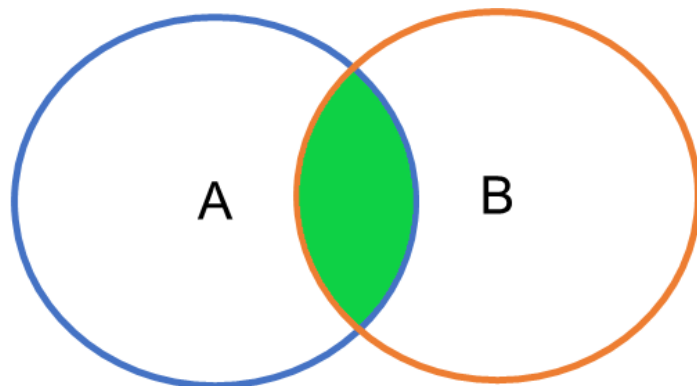
**Gustavo Viais**  
Tech Lead

Tipos de JOIN

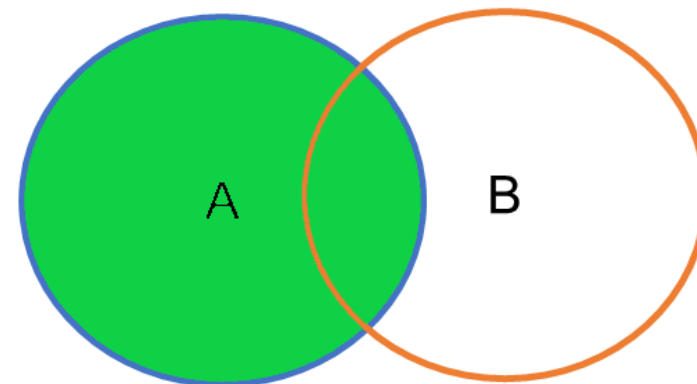
# Banco de dados / SQL

# TIPOS DE JOIN

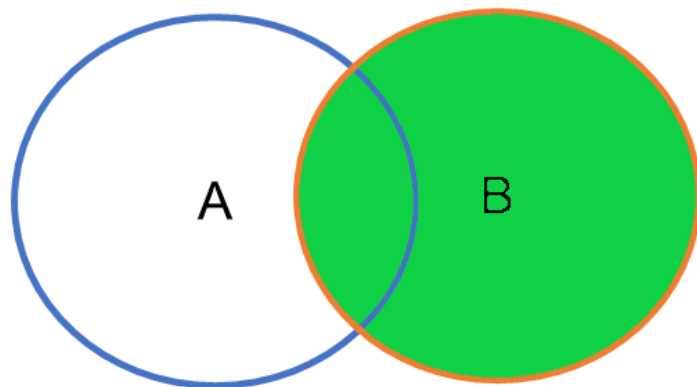
[INNER] JOIN



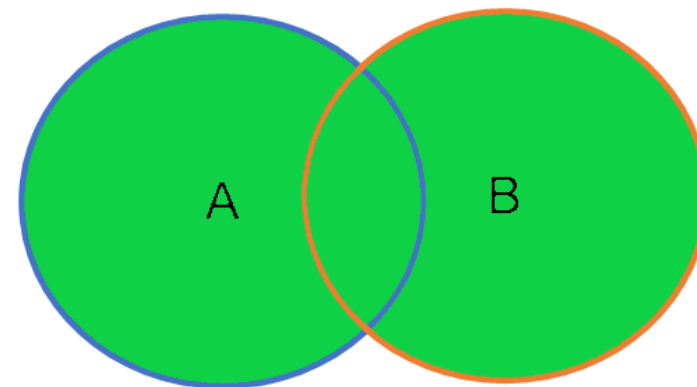
LEFT JOIN



RIGHT JOIN

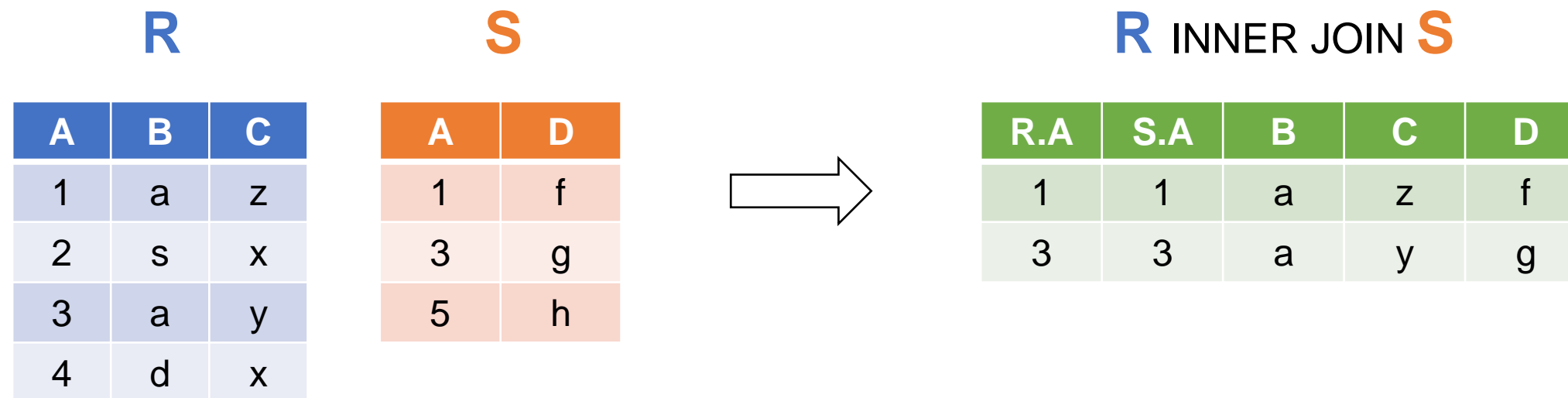


FULL JOIN



# INNER JOIN

- Retorna **apenas** as tuplas que possuem correspondência em **R** e **S**



# LEFT JOIN

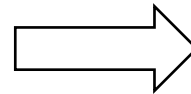
- Retorna **todas** as tuplas de **R** e preenche com valores nulos as tuplas de **S** que não correspondem à(s) chave(s) de **R**

**R**

A	B	C
1	a	z
2	s	x
3	a	y
4	d	x

**S**

A	D
1	f
3	g
5	h



**R LEFT JOIN S**

R.A	S.A	B	C	D
1	1	a	z	f
2	<i>null</i>	s	x	<i>null</i>
3	3	a	y	g
4	<i>null</i>	d	x	<i>null</i>

# RIGHT JOIN

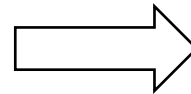
- Retorna **todas** as tuplas de **S** e preenche com valores nulos as tuplas de **R** que não correspondem à(s) chave(s) de **S**

**R**

A	B	C
1	a	z
2	s	x
3	a	y
4	d	x

**S**

A	D
1	f
3	g
5	h



**R RIGHT JOIN S**

R.A	S.A	B	C	D
1	1	a	z	f
3	3	a	y	g
<i>null</i>	5	<i>null</i>	<i>null</i>	h

# FULL JOIN

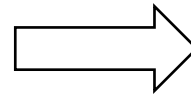
- Retorna **todas** as tuplas de **R** e **S**, preenchendo com valores nulos as tuplas de que não possuem chaves correspondentes entre **R** e **S**

**R**

A	B	C
1	a	z
2	s	x
3	a	y
4	d	x

**S**

A	D
1	f
3	g
5	h



**R FULL JOIN S**

R.A	S.A	B	C	D
1	1	a	z	f
2	<i>null</i>	s	x	<i>null</i>
3	3	a	y	g
4	<i>null</i>	d	x	<i>null</i>
<i>null</i>	5	<i>null</i>	<i>null</i>	h



**Gustavo Viais**  
Tech Lead

Tipos de JOIN

# Banco de dados / SQL