

## LES REQUETES ET LES RESULTATS

### Requête 1



```
SELECT COUNT (DISTINCT bien.bien_id) AS nombre_total_appartement
FROM vente
JOIN bien ON bien.bien_id = vente.bien_id
WHERE typ_loc = 'Appartement'
AND date BETWEEN '2020-01-01' AND '2020-06-30'
```

	nombre_total_appartement	
	bigint	
1		30784

### Requête 2

```
WITH
denom AS(
    SELECT COUNT(vente_id) AS total_vente
    FROM vente
    JOIN bien ON bien.bien_id = vente.bien_id
    WHERE typ_loc = 'Appartement'),
num AS(
    SELECT nb_piece_princip, COUNT(vente_id) AS nombre_vente
    FROM vente
    JOIN bien ON bien.bien_id = vente.bien_id
    WHERE typ_loc = 'Appartement'
    GROUP BY nb_piece_princip
    ORDER BY nb_piece_princip)

SELECT nb_piece_princip, ROUND(nombre_vente::numeric/total_vente*100,2) AS
proportion_vente
FROM num, denom
```



	 nb_piece_princip integer	 proportion_vente numeric
1	0	0.09
2	1	21.51
3	2	31.16
4	3	28.55
5	4	14.22
6	5	3.55
7	6	0.65
8	7	0.18
9	8	0.06
10	9	0.03
11	10	0.01
12	11	0.00

### Requête 3

```

SELECT code_depart, ROUND(AVG(valeur_fonciere/surf_carrez_lot),2) AS
prix_metre_carrez
FROM vente
JOIN bien ON bien.bien_id = vente.bien_id
JOIN commune ON commune.commune_id = bien.commune_id
GROUP BY code_depart
ORDER BY prix_metre_carrez DESC
LIMIT 10

```

	 code_depart integer	 prix_metre_carrez numeric
1	75	12044.72
2	92	7282.05
3	94	5340.02
4	6	4685.07
5	74	4671.07
6	93	4347.64
7	78	4225.44
8	9	4078.11
9	69	4056.71
10	33	3766.20

#### Requête 4

```
SELECT ROUND(AVG(valeur_fonciere/surf_carrez_lot),2) AS prix_moyen_metre_carrez
FROM vente
JOIN bien ON bien.bien_id = vente.bien_id
JOIN commune ON commune.commune_id = bien.commune_id
WHERE typ_loc = 'Maison' AND code_depart IN(75,77,78,91,92,93,94,95)
```

	prix_moyen_metre_carrez numeric
1	3723.79

#### Requête 5

```
SELECT bien.bien_id, valeur_fonciere, code_depart, surf_carrez_lot
FROM vente
JOIN bien ON bien.bien_id = vente.bien_id
JOIN commune ON commune.commune_id = bien.commune_id
WHERE typ_loc = 'Appartement'
ORDER BY valeur_fonciere DESC
LIMIT 10
```

	bien_id character varying (20)	valeur_fonciere numeric (10,2)	code_depart integer	surf_carrez_lot numeric (6,2)
1	DD1853	9000000.00	75	9.10
2	AX16322	8600000.00	91	64.00
3	AK34100	8577713.00	75	20.55
4	CO10015	7620000.00	75	42.77
5	AU14104	7600000.00	75	253.30
6	AZ8679	7535000.00	75	139.90
7	DV465	7420000.00	75	360.95
8	CN2411	7200000.00	75	595.00
9	BC672	7050000.00	75	122.56
10	AT4181	6600000.00	75	79.38

#### Requête 6

```
WITH
trim2 AS(
    SELECT COUNT(vente_id) AS vente_trimestre2
    FROM vente
    WHERE date BETWEEN '2020-04-01' AND '2020-06-30'),
trim1 AS(
    SELECT COUNT(vente_id) AS vente_trimestre1
    FROM vente
    WHERE date BETWEEN '2020-01-01' AND '2020-03-31')
```

```
SELECT ROUND(((vente_trimestre2::numeric-
vente_trimestre1::numeric)/vente_trimestre1::numeric)*100,2) AS taux_evolution_vente
FROM trim1, trim2
```

	taux_evolution_vente	
	numeric	
1		4.01

### Requête 7

WITH

trim2 AS(

SELECT nom\_com, COUNT(vente\_id) AS vente\_trimestre2

FROM vente

JOIN bien ON bien.bien\_id = vente.bien\_id

JOIN commune ON commune.commune\_id = bien.commune\_id

WHERE date BETWEEN '2020-04-01' AND '2020-06-30'

GROUP BY nom\_com),

trim1 AS(

SELECT nom\_com, COUNT(vente\_id) AS vente\_trimestre1

FROM vente

JOIN bien ON bien.bien\_id = vente.bien\_id

JOIN commune ON commune.commune\_id = bien.commune\_id

WHERE date BETWEEN '2020-01-01' AND '2020-03-31'

GROUP BY nom\_com)

SELECT trim1.nom\_com AS commune, vente\_trimestre1, vente\_trimestre2,

ROUND(((vente\_trimestre2::numeric-vente\_trimestre1::numeric)/vente\_trimestre1)\*100,2)

AS taux\_evolution

FROM trim2

JOIN trim1 ON trim1.nom\_com = trim2.nom\_com

WHERE ROUND(((vente\_trimestre2::numeric-vente\_trimestre1::numeric)/vente\_trimestre1)\*100,2)>=20

	commune character varying (100)	vente_trimestre1 bigint	vente_trimestre2 bigint	taux_evolution numeric
1	CHANTONNAY	1	2	100.00
2	CHATEAUDUN	2	6	200.00
3	TRANCHE-SUR-MER (LA)	7	10	42.86
4	NOISY-LE-GRAND	21	38	80.95
5	SAVIGNY-LE-TEMPLE	12	18	50.00
6	CREPY EN VALOIS	5	10	100.00
7	PONT ST ESPRIT	1	5	400.00
8	GOUSSAINVILLE	3	6	100.00
9	CADAUJAC	4	5	25.00
10	LA FERTE BERNARD	1	2	100.00
11	AUBERVILLIERS	24	37	54.17
12	BORMES-LES-MIMOSAS	13	22	69.23
13	MORLAIX	1	11	1000.00
14	MEYZIEU	3	13	333.33
15	LES ALLUES	2	3	50.00

### Requête 8

WITH

table1 AS(

SELECT nb\_piece\_princip, ROUND(AVG(valeur\_fonciere/surf\_carrez\_lot),2) AS

prix\_metre\_carre\_piece2

FROM vente

JOIN bien ON bien.bien\_id = vente.bien\_id

WHERE typ\_loc = 'Appartement' AND nb\_piece\_princip=2

GROUP BY nb\_piece\_princip),

table2 AS(

SELECT nb\_piece\_princip, ROUND(AVG(valeur\_fonciere/surf\_carrez\_lot),2) AS

prix\_metre\_carre\_piece3

FROM vente

JOIN bien ON bien.bien\_id = vente.bien\_id

WHERE typ\_loc = 'Appartement' AND nb\_piece\_princip=3

GROUP BY nb\_piece\_princip)

SELECT ROUND((((prix\_metre\_carre\_piece3-




prix\_metre\_carre\_piece2)/prix\_metre\_carre\_piece2)\*100,2) AS difference\_pourcentage

FROM table1, table2

	difference_pourcentage numeric
1	-12.18

### Requête 9

```
WITH valeur_par_commune AS
(SELECT code_depart, nom_com, AVG(valeur_fonciere) AS moyenne
FROM vente
JOIN bien ON bien.bien_id = vente.bien_id
JOIN commune ON commune.commune_id = bien.commune_id
WHERE code_depart IN(6,13,33,59,69)
GROUP BY code_depart, nom_com)
SELECT code_depart AS departement, nom_com AS commune, ROUND(moyenne,1)AS
prix_moyen
FROM (SELECT code_depart, nom_com, moyenne, RANK() OVER(PARTITION BY
code_depart ORDER BY moyenne DESC) AS rang
FROM valeur_par_commune) AS resultat
WHERE rang<3
```

	 departement integer	 commune character varying (100)	 prix_moyen numeric
1	6	SAINT-JEAN-CAP-FERRAT	968750.0
2	6	EZE	655000.0
3	13	GIGNAC-LA-NERTHE	330000.0
4	13	SAINT SAVOURNIN	314425.0
5	33	LEGE-CAP-FERRET	549500.6
6	33	VAYRES	335000.0
7	59	BERSEE	433202.0
8	59	CYSOING	408550.0
9	69	VILLE SUR JARNIOUX	485300.0
10	69	LYON 2EME	451325.6