Requêtes

#requete1 nb total d'appartements vendus au 1er semestre 2020 = 31361 app au total

```
11
12 •  SELECT COUNT(id_vente) AS nb_appt_vendus FROM vente
13    JOIN bien ON bien.id_bien=vente.id_bien
14    JOIN Local ON local.id_local=bien.id_local
15    WHERE date_mutation BETWEEN "2020-01-01" AND "2020-06-30"
16    AND type_local="Appartement";
17
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

nb_appt_vendus
31361

#Requete2 proportion des ventes d'appartements par nombre de pièces

```
10
11 •  SELECT nb_piece_principale, count(id_vente) as nb_appart_vendus,
12    round((count(id_vente)/31361)*100,2) as proportion
13    FROM vente
14    JOIN bien USING (id_bien)
15    JOIN local USING (id_local)
16    WHERE type_local="appartement"
17    GROUP BY nb_piece_principale
18    ORDER BY nb_piece_principale ASC;
19
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

nb_piece_principale	nb_appart_vendus	proportion
0	30	0.10
1	6736	21.48
2	9772	31.16
3	8966	28.59
4	4458	14.22
5	1114	3.55
6	203	0.65
7	54	0.17
8	17	0.05
9	8	0.03
10	2	0.01
11	1	0.00

Result 2

#Requete3 Liste des 10 départements où le prix du mètre carré est le plus élevé

```
10
11 •  SELECT round(avg(valeur_fonciere / surface_carrez),2) as "prix m2", code_departement as "departement"
12    FROM vente
13    JOIN bien ON bien.id_bien=vente.id_bien
14    JOIN commune ON commune.id_commune=bien.id_commune
15    GROUP BY code_departement
16    ORDER BY round(avg(valeur_fonciere / surface_carrez),2) DESC
17    limit 10;
18
19
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

prix m2	departement
12052.89	75
7219.39	92
5343.28	94
4700.33	6
4667.13	74
4344.78	93
4225.25	78
4059.31	69
4026.97	2A
3764.14	33

#requete4 Prix moyen du m2 d'une maison en Ile de Fr = 3745.01E

```
10
11 •  SELECT round(avg(valeur_fonciere / surface_carrez),2) AS "prix moyen m2"
12    FROM vente
13    JOIN bien ON bien.id_bien=vente.id_bien
14    JOIN commune ON commune.id_commune=bien.id_commune
15    JOIN local ON local.id_local=bien.id_local
16    WHERE type_local="maison"
17    AND code_departement IN (75,77,78,91,92,93,94,95);
18
19
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

prix moyen m2
3745.01

#requete5 Liste des 10 app les plus chers avec le département et le nb de m2

```
10
11  SELECT id_vente as id, valeur_fonciere , surface_carrez as m2,
12  code_departement as departement
13  FROM vente
14  JOIN bien ON bien.id_bien=vente.id_bien
15  JOIN local ON local.id_local=bien.id_local
16  JOIN commune ON commune.id_commune=bien.id_commune
17  WHERE type_local="appartement"
18  ORDER BY valeur_fonciere DESC
19  LIMIT 10;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

id	valeur_fonciere	m2	departement
32258	9000000.00	9.10	75
21823	8600000.00	64.00	91
29783	8577713.00	20.55	75
32416	7620000.00	42.77	75
29834	7600000.00	253.30	75
29506	7535000.00	139.90	75
31956	7420000.00	360.95	75
32118	7200000.00	595.00	75
29338	7050000.00	122.56	75
29497	6600000.00	79.38	75

#requete6 Tx d'évolution du nb de ventes entre le 1er et le 2nd trimestre 2020 =+3.66% pour T2

```
13
14  WITH
15  table1 AS (
16  SELECT count(id_vente) as "nbVenteT1" from vente
17  WHERE date_mutation BETWEEN "2020-01-01" AND "2020-03-31"),
18  table2 as (
19  SELECT count(id_vente) as "nbVenteT2" from vente
20  WHERE date_mutation BETWEEN "2020-04-01" AND "2020-06-30")
21
22  SELECT round(((nbVenteT2 - nbVenteT1) / nbVenteT1) *100, 2) as "tx d'evolution",
23  NbVenteT1, nbVenteT2
24  FROM table1, table2;
25
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

tx d'evolution	NbVenteT1	nbVenteT2
3.66	16768	17382

#Requête 7 : Liste des communes où le nombre de ventes a augmenté d'au moins 20% entre le premier et le second trimestre de 2020 =574 communes

```
3  WITH
4  table1 as (
5  SELECT commune.commune, count(id_vente) as "venteT1" from vente
6  JOIN bien USING (id_bien)
7  JOIN commune USING (id_commune)
8  WHERE date_mutation BETWEEN "2020-01-01" AND "2020-03-31"
9  GROUP BY commune),
10 table2 as (
11 SELECT commune.commune, count(id_vente) as "venteT2" from vente
12 JOIN bien USING (id_bien)
13 JOIN commune USING (id_commune)
14 WHERE date_mutation BETWEEN "2020-04-01" AND "2020-06-30"
15 GROUP BY commune)
16
17 SELECT commune.commune, round(((venteT2-venteT1)/venteT1*100), 2) as "tx d'evolution"
18 FROM commune
19 NATURAL JOIN table1
20 NATURAL JOIN table2
21 WHERE round(((venteT2 - venteT1) / venteT1 * 100),2) >= 20
22 GROUP BY commune.commune;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

commune	tx d'evolution
DIVONNE-LES-BAINS	20.00
LAON	27.27
VILLERS-COTTERETS	66.67
CHATEAU-ARNOUX-SAINT-AUBAN	100.00
BARCELONNETTE	150.00
SAINT-MARTIN-DE-BROMES	100.00
EMBRUN	100.00
BRIANCON	20.00
ORCIERES	400.00
GAP	200.00
LE DEVOLUY	1000.00
LA SALLE	200.00

Result 4

#requete8 Différence en % du prix au m2 entre un appt de 2 pièces et un appartement de 3 pièces =-12,41

```sql
WITH
table1 AS (
SELECT round(avg(valeur_fonciere / surface_carrez),2) AS prix_m2_2p FROM vente
JOIN bien USING (id_bien)
JOIN local USING (id_local)
WHERE type_local ="appartement"
AND nb_piece_principale =2),

table2 AS (
SELECT round(avg(valeur_fonciere / surface_carrez),2) AS prix_m2_3p FROM vente
JOIN bien USING (id_bien)
JOIN local USING (id_local)
WHERE type_local ="appartement"
AND nb_piece_principale =3)

SELECT prix_m2_2p, prix_m2_3p, round(((prix_m2_3p - prix_m2_2p) / prix_m2_2p)*100,2) AS "difference prix (%)"
FROM table1,table2;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

prix_m2_2p	prix_m2_3p	difference prix (%)
4908.97	4299.90	-12.41

#requete9 Les moyennes des valeurs foncières pour le top 3 des communes des départements 6, 13, 33, 59 et 69

```
22  WITH
23  table1 as (
24  SELECT round(avg(valeur_fonciere),2) as "moyenne_valeur_fonciere",
25  commune, code_departement,
26      rank () over
27      (
28      partition by code_departement
29      order by round(avg(valeur_fonciere),2) DESC
30      ) as TOP3
31   from vente
32   JOIN bien USING (id_bien)
33   join commune USING (id_commune)
34   WHERE code_departement IN (6,13,33,59,69)
35   group by commune, code_departement)
36
37   SELECT moyenne_valeur_fonciere, commune, code_departement from table1
38   where TOP3 <=3
39   ORDER BY code_departement DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

moyenne_valeur_fonciere	commune	code_departement
485300.00	VILLE SUR JARNIOUX	69
455217.27	LYON 2EME	69
426968.25	LYON 6EME	69
968750.00	SAINT-JEAN-CAP-FERRAT	6
655000.00	EZE	6
476898.10	MOUANS-SARTOUX	6
433202.00	BERSEE	59
408550.00	CYSOING	59
322250.00	HALLUIN	59
549500.64	LEGE-CAP-FERRET	33
335000.00	VAYRES	33
307435.93	ARCACHON	33
330000.00	GIGNAC-LA-NERTHE	13
314425.00	SAINT SAVOURNIN	13

Result 2