

## REQUETE 1 : Nombre total d'appartements vendus au 1<sup>er</sup> semestre 2020

```
SELECT COUNT (ID_mutation) AS nbAppartement
FROM MUTATION AS Mu INNER JOIN PROPRIETE AS Prop ON mu.id_prop=Prop.id_Prop
WHERE (Typloc = 'Appartement') AND (Date_mutation BETWEEN '2020-01-01' AND '2020-06-30')
```

NBAPPARTEMENT

31378

## REQUETE 2 : Proportion des ventes d'appartements par le nombre de pièces

```
SELECT Prop.NbPiecesPrinc
,COUNT(Prop.NbPiecesPrinc) AS nbVente
,(ROUND(COUNT(NbPiecesPrinc)*100.00 / (SELECT COUNT(Mu.id_mutation) AS tot FROM Mutation AS Mu INNER JOIN PROPRIETE AS Prop ON mu.id_prop=Prop.id_Prop
WHERE (Prop.Typloc = 'Appartement')),2)) AS Pct_VenteAppartement
FROM MUTATION AS Mu JOIN PROPRIETE AS Prop
ON Mu.id_prop=Prop.id_Prop
WHERE (Prop.Typloc = 'Appartement')
GROUP By Prop.NbPiecesPrinc
ORDER BY Prop.NbPiecesPrinc
```

NBPIECESPRINC	NBVENTE	PCT_VENTEAPPARTEMENT
0	30	0.100000
1	6739	21.480000
2	9783	31.180000
3	8966	28.570000
4	4460	14.210000
5	1114	3.550000
6	204	0.650000
7	54	0.170000
8	17	0.050000
9	8	0.030000
10	2	0.010000
11	1	0.000000

### REQUETE 3 : Liste des 10 départements où le m<sup>2</sup> est le plus élevé

```
Select Co.CodDpt, CAST(Sum(Mu.Valeur)/Sum(Prop.Surfcarrez) AS INTEGER) AS PxMCARRE  
From Mutation AS Mu JOIN PROPRIETE AS Prop ON Mu.id_prop = Prop.id_prop JOIN Commune AS CO ON Prop.Code_ID  
Co.Code_ID_comm  
GROUP BY Co.CodDpt  
ORDER BY PxMCARRE Desc  
LIMIT 10
```

CODDPT	PXMCARRE
75	11898
92	7238
94	4831
6	4587
74	4159
93	4065
78	4002
69	3893
2A	3757
33	3567

### REQUETE 4 : Prix du M<sup>2</sup> d'une maison en Île-de-France

```
SELECT CAST(Sum(Mu.Valeur)/Sum(Prop.Surfcarrez) AS INTEGER) AS PxMCARRE_IdF_Maison  
FROM Mutation AS Mu JOIN PROPRIETE AS Prop ON Mu.id_prop = Prop.id_prop JOIN Commune AS CO ON Prop.Code_ID_comm =  
Co.Code_ID_comm  
WHERE Typloc='Maison' AND (Co.CodDpt= '75' OR Co.CodDpt= '77' OR Co.CodDpt='78' OR  
Co.CodDpt='91' OR Co.CodDpt = '92' OR Co.CodDpt= '93' OR Co.CodDpt = '94' OR Co.CodDpt='95')
```

PXMCARRE_IDF_MAISON
3675

## REQUETE 5 : Liste des 10 appartements les plus chers avec le département et le M<sup>2</sup>

```
SELECT Mu.id_prop,Mu.Valeur, co.Commune, Co.CodDpt, Prop.Surfcarrez
FROM Mutation AS Mu INNER JOIN PROPRIETE AS PROP ON Mu.id_prop = Prop.id_prop INNER JOIN Commune AS CO on Prop.Code_ID_comm = Co.Code_ID_comm
WHERE Typloc='Appartement'
ORDER BY valeur DESC
LIMIT 10
```

ID_PROP	VALEUR	COMMUNE	CODDPT	SURFCARREZ
32275	9000000.00	PARIS 16	75	9.10
21835	8600000.00	CORBEIL ESSONNES	91	64.00
29799	8577713.00	PARIS 07	.	20.55
32433	7620000.00	PARIS 17	75	42.77
29850	7600000.00	PARIS 06	75	253.30
29522	7535000.00	PARIS 01	75	139.90
31973	7420000.00	PARIS 16	75	360.95
32135	7200000.00	PARIS 16	75	595.00
29353	7050000.00	PARIS 01	75	122.56
29513	6600000.00	PARIS 01	75	79.38

## REQUETE 6 : Taux d'évolution du nombre de ventes entre le 1<sup>er</sup> et le second trimestre de 2020

```
SELECT (
    SELECT COUNT(id_mutation) AS venteT2 FROM Mutation WHERE Date_mutation BETWEEN '2020-04-01' AND '2020-06-30' -- Tot vente au T2
    - COUNT(id_mutation))*100.00/(COUNT(id_mutation)
) AS TxEvol_nbVenteT2T1
FROM Mutation
WHERE Date_mutation BETWEEN '2020-01-01' AND '2020-03-31';
```

TXEVOL\_NBVENTET2T1

3.677873

## REQUETE 7 : Liste des communes où le nombre de ventes a augmenté d'au moins 20% entre le 1<sup>er</sup> et le second trimestre 2020

```

WITH
venteT2 AS (SELECT Commune, COUNT(id_mutation) as NbVenteT2
FROM Mutation AS Mu INNER JOIN PROPRIETE AS Prop ON Mu.id_prop=Prop.id_prop INNER JOIN Commune AS Co
ON Prop.Code_ID_comm=Co.Code_ID_comm WHERE Date_mutation BETWEEN '2020-04-01' AND '2020-06-30' GROUP BY Commune)
,venteT1 AS (SELECT Commune, COUNT(id_mutation) as NbVenteT1
FROM Mutation AS Mu JOIN PROPRIETE AS Prop ON Mu.id_prop=Prop.id_prop JOIN Commune AS Co ON Prop.Code_ID_comm=
Co.Code_ID_comm
WHERE Date_mutation BETWEEN '2020-01-01' AND '2020-03-31' GROUP BY Commune)
SELECT venteT1.Commute, (NbVenteT2-NbVenteT1)*100/NbVenteT1 AS TxEvolution
FROM venteT1 JOIN venteT2
ON venteT1.Commute = venteT2.Commute
WHERE ((NbVenteT2-NbVenteT1)*100/NbVenteT1) > 20
ORDER BY TxEvolution DESC

```

COMMUNE	TXEVOLUTION
PAU	2500.000000
CAVAILLON	1600.000000
L ISLE SUR LA SORGUE	1200.000000
LE DEVOLUY	1000.000000
MORLAIX	1000.000000
LYON 8EME	960.000000
LYON 7EME	800.000000
RONCHIN	800.000000
CHALON-SUR-SAONE	766.666666
ROUEN	716.666666
LUCE	700.000000
LYON 3EME	609.090909
LAMBALLE-ARMOR	600.000000
LAMORLAYE	600.000000
LONS	600.000000

## REQUETE 8 : Différence en % du prix du M<sup>2</sup> entre Appt de 2 pièces et Appt et de 3 pièces

```

SELECT(
(SELECT AVG (Valeur / Surfcarrez) AS PxMC
FROM Mutation AS Mu JOIN PROPRIETE AS Prop ON Mu.id_prop = Prop.id_prop
WHERE NbPiecesPrinc = 2)
- (SELECT AVG(Valeur/Surfcarrez) AS PxMC
FROM Mutation AS Mu JOIN PROPRIETE AS Prop ON Mu.id_prop = Prop.id_prop
WHERE NbPiecesPrinc = 3))* 100
/ (SELECT AVG(Valeur/ Surfcarrez) AS PxMC
FROM Mutation AS Mu JOIN PROPRIETE AS Prop ON Mu.id_prop = Prop.id_prop
WHERE NbPiecesPrinc = 3) AS TxEvolutionPxMC_2P_3P

```

Status: Failed

Error message

An unexpected token "END-OF-STATEMENT" was found following "xEvolutionPxMC\_2P\_3P". Expected tokens may include: "<table\_expr>.. SQLCODE=-104, SQLSTATE=42601, DRIVER=4.26.14

[Learn more about this error](#)

## REQUETE 9 : Donnez les moyennes de valeurs foncières pour le top 20 des communes

```
SELECT CodDpt, Commune, CAST(AVG(valeur) AS INT) AS ValeurMoyenne
FROM Mutation AS Mu JOIN PROPRIETE As PROP ON Mu.id_prop=Prop.id_prop JOIN Commune AS Co ON
Co.Code_ID_comm=Prop.Code_ID_comm
GROUP BY Commune , CodDpt
ORDER BY ValeurMoyenne DESC
LIMIT 20
```

CODDPT	COMMUNE	VALEURMOYENNE
30	GARRIGUES SAINTE EULALIE	1683000
17	LES PORTES-EN-RE	1400000
60	VERNEUIL EN HALATTE	1280000
75	PARIS 07	1251288
75	PARIS 16	1028243
75	PARIS 01	1013503
75	PARIS 08	1010536
75	PARIS 06	1005955
6	SAINT-JEAN-CAP-FERRAT	968750
73	VAL-D ISERE	880000
92	NEUILLY-SUR-SEINE	813661
75	PARIS 17	720622
77	BARBIZON	713500
75	PARIS 03	655953
6	EZE	655000
75	PARIS 04	650908
83	RAMATUELLE	633000
78	CRESPIERES	632065
92	GARCHES	615348
74	DUINGT	610800