

```
11 -- List all unique cities where customers are located.
12 • select distinct customer_city from customers;
13
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:





Fetch rows:



	customer_city
▶	franca
	sao bernardo do campo
	sao paulo
	mogi das cruzes
	campinas
	jaragua do sul
	timoteo
	curitiba
	belo horizonte
	montes claros
	rio de janeiro
	lencois paulista
	caxias do sul
	piracicaba
	guarulhos
	pacaja
	florianopolis
	aparecida de goiania
	santo andre
	goiania
	cachoeiro de itapemirim
	sao jose dos campos

```
15 • select count(order_id) from orders where year(order_purchase_timestamp) = 2017;  
16
```



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

	count(order_id)
▶	45101

```

16 -- Find the total sales per category.
17 • select products.product_category category, round(sum(payments.payment_value), 2) sales
18 from products join order_items
19 on products.product_id = order_items.product_id
20 join payments
21 on payments.order_id = order_items.order_id
22 group by category;
23

```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	category	sales
▶	perfumery	506738.66
	Furniture Decoration	1430176.39
	telephony	486882.05
	bed table bath	1712553.67
	automotive	852294.33
	computer accessories	1585330.45
	housewares	1094758.13
	babies	539845.66
	toys	619037.69
	Furniture office	646826.49
	Cool Stuff	779698
	HEALTH BEAUTY	1657373.12
	pet Shop	311268.97
	General Interest Books	64694.76
	stationary store	317440.07
	Watches present	1429216.68
	PCs	279121.55
	climatization	91170.66
	Construction Tools C...	241475.63
	sport leisure	1392127.56
	Bags Accessories	187151.29
	electronics	259857.1

```
24 -- Calculate the percentage of orders that were paid in installments
25 • select (sum(case when payment_installments >= 1 then 1
26 else 0 end))/count(*)*100 from payments;
27
```

Result Grid



Filter Rows:

Export:





Wrap Cell Content:



	(sum(case when payment_installments >= 1 then 1 else 0 end))/count(*)*100
▶	99.9981

```
29 • select customer_state, count(customer_id)
30 from customers group by customer_state;
31
```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	customer_state	count(customer_id)
▶	SP	83492
	SC	7274
	MG	23270
	PR	10090
	RJ	25704
	RS	10932
	PA	1950
	GO	4040
	ES	4066
	BA	6760
	MA	1494
	MS	1430
	CE	2672
	DF	4280
	RN	970
	PE	3304
	MT	1814
	AM	296
	AP	136
	AL	826
	RO	506
	PB	1072

```
33 • select monthname(order_purchase_timestamp) months,  
34 count(order_id) order_count from orders  
35 where year(order_purchase_timestamp) = 2018  
36 group by months;  
37
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	months	order_count
▶	July	6292
	August	6512
	February	6728
	June	6167
	March	7211
	January	7269
	May	6873
	April	6939
	September	16
	October	4

```

38  -- Calculate the percentage of total revenue contributed by each product category.
39  •  select upper(products.product_category) category,
40      round((sum(payments.payment_value)/(select sum(payment_value) from payments))*100,2)
41      sales_percentage
42  from products join order_items
43  on products.product_id = order_items.product_id
44  join payments
45  on payments.order_id = order_items.order_id
46  group by category order by sales_percentage desc;
47

```

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



	category	sales_percentage
▶	BED TABLE BATH	10.7
	HEALTH BEAUTY	10.35
	COMPUTER ACCESSORIES	9.9
	FURNITURE DECORATION	8.93
	WATCHES PRESENT	8.93
	SPORT LEISURE	8.7
	HOUSEWARES	6.84
	AUTOMOTIVE	5.32
	GARDEN TOOLS	5.24
	COOL STUFF	4.87
	FURNITURE OFFICE	4.04
	TOYS	3.87
	BABIES	3.37
	PERFUMERY	3.17
	TELEPHONY	3.04
	STATIONARY STORE	1.98
	PET SHOP	1.94
	PCS	1.74
	ELECTRONICS	1.62
	NULL	1.58
	CONSTRUCTION TOOLS ...	1.51



```

48 -- Identify the correlation between product price and the number of times a product h
49 • select products.product_category as category,
50 count(order_items.product_id) total_items,
51 round(avg(order_items.price),2) as order_items
52 from products join order_items
53 on products.product_id = order_items.product_id
54 group by category;
55

```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	category	total_items	order_items
▶	HEALTH BEAUTY	9670	130.16
	sport leisure	8641	114.34
	Cool Stuff	3796	167.36
	computer accessories	7827	116.51
	Watches present	5991	201.14
	housewares	6964	90.79
	electronics	2767	57.91
	NULL	1603	112
	toys	4117	117.55
	bed table bath	11115	93.3
	Games consoles	1137	138.49
	automotive	4235	139.96
	Furniture Decoration	8334	87.56
	home appliances	771	103.98
	telephony	4545	71.21
	Construction Tools C...	929	155.73
	perfumery	3419	116.74
	stationary store	2517	91.75
	Room Furniture	503	137.01
	Fashion Bags and Ac...	2031	75.25
	Garden tools	4347	111.63



```

56  -- Calculate the total revenue generated by each seller, and rank them by revenue.
57  •  select *,dense_rank() over(order by revenue desc) as rn from
58  (select order_items.seller_id, sum(payments.payment_value)
59  revenue from order_items join payments
60  on order_items.order_id = payments.order_id
61  group by order_items.seller_id) as a:

```

Result Grid



Filter Rows:

Exports:



Wrap Cell Content:



	seller_id	revenue	rn
▶	7c67e1448b00f6e969d365cea6b010ab	507166.9073021412	1
	1025f0e2d44d7041d6cf58b6550e0bfa	308222.0398402214	2
	4a3ca9315b744ce9f8e9374361493884	301245.26976528764	3
	1f50f920176fa81dab994f9023523100	290253.42012761533	4
	53243585a1d6dc2643021fd1853d8905	284903.0804977417	5
	da8622b14eb17ae2831f4ac5b9dab84a	272219.31931465864	6
	4869f7a5dfa277a7dca6462dcf3b52b2	264166.1209387779	7
	955fee9216a65b617aa5c0531780ce60	236322.30050226487	8
	fa1c13f2614d7b5c4749cbc52fecda94	206513.22986984253	9
	7e93a43ef30c4f03f38b393420bc753a	185134.20970630646	10
	6560211a19b47992c3666cc44a7e94c0	179657.74904833734	11
	7a67c85e85bb2ce8582c35f2203ad736	169030.80002561212	12
	25c5c91f63607446a97b143d2d535d31	160534.7397725582	13
	a1043bafd471dff536d0c462352beb48	154356.91018915176	14
	46dc3b2cc0980fb8ec44634e21d2718e	148864.3400707245	15
	b37c4c02bda3161a7546a4e6d222d5b2	145319.04013061523	16
	620c87c171fb2a6dd6e8bb4dec959fc6	145267.94986760616	17
	cc419e0650a3c5ba77189a1882b7556a	141309.58005461097	18
	5dceca129747e92ff8ef7a997dc4f8ca	132974.42047214508	19
	3d871de0142ce09b7081e2b9d1733cb1	131982.1500274241	20
	7d13fca15225358621be4086e1eb0964	129169.97982311249	21