



```
1  -- Top 5 Most Frequently Ordered Product Categories
2  •  SELECT
3      p.product_category_name,
4      COUNT(*) AS total_items_sold
5  FROM olist_order_items_dataset AS oi
6  JOIN olist_products_dataset AS p ON oi.product_id = p.product_id
7  GROUP BY p.product_category_name
8  ORDER BY total_items_sold DESC
9  LIMIT 5;
```

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

	product_category_name	total_items_sold
▶	moveis_decoracao	8334
	informatica_acessorios	7827
	esporte_lazer	8641
	cama_mesa_banho	11115
	beleza_saude	9670



```
11 -- Total Payment Value by State (INNER JOIN)
12 • SELECT
13     c.customer_state,
14     ROUND(SUM(pay.payment_value), 2) AS total_payment
15 FROM olist_orders_dataset AS o
16 JOIN olist_customers_dataset AS c ON o.customer_id = c.customer_id
17 JOIN olist_order_payments_dataset AS pay ON o.order_id = pay.order_id
18 GROUP BY c.customer_state
19 ORDER BY total_payment DESC;
```

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

	customer_state	total_payment
	AC	19680.62
	AL	96962.06
	AM	27966.93
	AP	16262.80
	BA	616645.82
	CE	279464.03
▶	DF	355141.08
	ES	325967.55
	GO	350092.31
	MA	152523.02
	MG	1872257.26
	MS	137534.84
	MT	187029.29
	PA	218295.85
	PB	141545.72
	PE	324850.44
	PI	108523.97
	PR	811156.38
	RJ	2144379.69
	RN	102718.13
	RO	60866.20
	RR	10064.62
	RS	890898.54
	SC	623086.43
	SE	75246.25
	SP	500000.00



```
21 -- Orders with Above-Average Payment Value
22 • SELECT
23     order_id,
24     SUM(payment_value) AS total_payment
25 FROM olist_order_payments_dataset
26 GROUP BY order_id
27 HAVING total_payment > (
28     SELECT AVG(payment_value) FROM olist_order_payments_dataset
29 );
```

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

	order_id	total_payment
▶	1f78449c87a54faf9e96e88ba1491fa9	341.09
	d88e0d5fa41661ce03cf6cf336527646	188.73
	12e5cfe0e4716b59afb0e0f4a3bd6570	157.45
	8ac09207f415d55acff302df7d6a895c	244.15
	4214cda550ece8ee66441f459dc33a8c	170.57
	4d680edbaa7d3d9bed69532957368a03	353.09
	8cd68144cdb62dc0d60848cf8616d2a4	330.66
	5cfd514482e22bc992e7693f0e3e8df7	710.58
	d0a945f85ba1074b60aac97ade7e240e	541.00
	5d9c5817e278892b7498d90bfa28ade8	290.16
	b69b9260e79a0da00e15f48de1bd2524	283.34
	b2bb080b6bc860118a246fd9b6fad6da	197.92
	1dcf0c8cd36ffaf57784fbd90079310	157.15
	c10d412026c4077b8e83acf0fea04eee	266.16
	d574338f566ca28dd67820f48ec1f1d8	278.22
	2e2c60b99754ae1e4d8b18846cfec9f2	542.66
	1ffb3c1929b16d9c1aec1958e11b3e9b	166.04
	95442deb81a5d91c97c0df96b431634a	368.98
	3ab4eea6776259ae8dfbabaeffce352	387.80
	c108072ab31ec90a754129c171577f5f	210.82
	110d9355d6338eab0a65a0cacdde5434	566.40
	42f5954cda381bd032934ee38c453711	402.42
	4b2d035932915aa9c2a0d4d84cd6d3b0	187.51
	c9f23db8a1cb725df9bdb3383bd72b38	169.34
	fa2ea4b6e84c1c0fc4f3a6d468c55183	227.12



```
30
31 -- Average Freight Cost per Product Category
32 • SELECT
33     p.product_category_name,
34     ROUND(AVG(oi.freight_value), 2) AS avg_freight_cost
35 FROM olist_order_items_dataset AS oi
36 JOIN olist_products_dataset AS p ON oi.product_id = p.product_id
37 GROUP BY p.product_category_name
38 ORDER BY avg freight cost DESC;
```

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

	product_category_name	avg_freight_cost
▶	pcs	48.45
	eletrodomesticos_2	44.54
	moveis_colchao_e_estofado	42.91
	moveis_cozinha_area_de_servico_jantar_e_jar...	42.70
	moveis_quarto	42.50
	moveis_escritorio	40.55
	portateis_casa_forno_e_cafe	36.16
	moveis_sala	35.72
	sinalizacao_e_seguranca	32.70
	industria_comercio_e_negocios	29.42
	malas_acessorios	27.88
	agro_industria_e_comercio	27.56
	instrumentos_musicais	27.41
	construcao_ferramentas_iluminacao	24.95
	la_cuisine	23.83
	eletroportateis	23.59
	casa_construcao	22.90
	ferramentas_jardim	22.77
	climatizacao	22.72
	construcao_ferramentas_jardim	22.32
	bebes	22.30
	construcao_ferramentas_construcao	22.23
	cool_stuff	22.14
	automotivo	21.88
	artigos_de_natal	21.11
	utilidades_domesticas	20.00



```
42 SELECT
43     c.customer_state,
44     ROUND(AVG(DATEDIFF(o.order_delivered_customer_date, o.order_purchase_timestamp)), 2) AS avg_delivery_days
45 FROM olist_orders_dataset AS o
46 JOIN olist_customers_dataset AS c ON o.customer_id = c.customer_id
47 WHERE o.order_delivered_customer_date IS NOT NULL
48 GROUP BY c.customer_state;
49
50 • SELECT * FROM v avg delivery time state ORDER BY avg delivery days;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	customer_state	avg_delivery_days
▶	SP	8.70
	PR	11.94
	MG	11.95
	DF	12.90
	SC	14.91
	RJ	15.24
	RS	15.25
	MS	15.54
	GO	15.54
	ES	15.72
	TO	17.60
	MT	18.00
	PE	18.40
	RN	19.22
	BA	19.28
	RO	19.28
	PI	19.39
	PB	20.39
	AC	21.00
	CE	21.20
	SE	21.46
	MA	21.51
	PA	23.73
	AL	24.50
	AM	26.36
	AP	27.10