





RareItem	
PK	name
	drop_chance
FK	category
	description

RareItemCategory	
PK	name
	description

# Query 1: "What's the ratio of each game category over total games played in each of the regions?"

```
select G.region, ifnull(solo_count, 0) / (ifnull(solo_count, 0)+ifnull(duo_count, 0)+ifnull(squad_count, 0)) as solo_game_ratio, ifnull(duo_count, 0) / (ifnull(solo_count, 0)+ifnull(duo_count, 0)+ifnull(squad_count, 0)) as duo_game_ratio, ifnull(squad_count, 0) / (ifnull(solo_count, 0)+ifnull(duo_count, 0)+ifnull(squad_count, 0)) as squad_game_ratio
from Game G
join (select region, count(*) solo_count
from Game
where category like 'Solo'
group by region) RegionSoloCount
on G.region = RegionSoloCount.region
left join (select region, count(*) duo_count
from Game
where category like 'Duo'
group by region) RegionDuoCount
on G.region = RegionDuoCount.region
left join (select region, count(*) squad_count
from Game
where category like 'Squad'
group by region) RegionSquadCount
on G.region = RegionSquadCount.region
group by G.region;
```

# Real World Value: The results of this query can be potentially sold by us to PUBG's developers to help them optimize the servers (in terms of traffic) for each of the game categories in each of the regions.

region	solo_game_ratio	duo_game_ratio	squad_game_ratio
Asia	0.2857	0.4286	0.2857
Europe	0.5000	0.0000	0.5000
North America	0.5556	0.2222	0.2222

```
# Query 2: "What's the average number of Battle Points earned per hour played?"
```

```
select sum(num_battle_pts) / sum(hrs_played) avg_num_bps_per_hr_played  
from Player;
```

```
# Real World Value: The results of this query can be potentially sold by us to PUBG's developers to help them price the in-game items that can be purchased via BPs more accurately.
```

avg\_num\_bps\_per\_hr\_played

15.9392

# Query 3: "What's the most trending item on the PUBG Armory auction?"

```
select item_name as most_trending_trade_item
from (select item_name, sum(num_items) num_appearances
from TradeItem
group by item_name) ItemCount
order by num_appearances DESC
limit 1;
```

# Real World Value: The results of this query can be potentially sold by us to Steam to help them determine more accurately the supply for each of the PUBG tradable items on third-party marketplaces (like ours) - and thus to price those items more accurately on their Steam marketplace.



most_trending_trade_item	
Leather Boots (Brown)	

```
# Query 4: "What's the average bid price for each of the items on the PUBG Armory auction?"
```

```
select item_name, avg(bid_price/num_items) avg_bid_price, currency  
from TradeItem  
group by item_name;
```

```
# Real World Value: The results of this query can be potentially sold by us to Steam to help them determine more accurately the demand for each of the PUBG tradable  
items on third-party marketplaces (like ours) - and thus to price those items more accurately on their Steam marketplaces.
```

item_name	avg_bid_price	currency
Aviator Sunglasses	1.71	\$
Biker Crate	1.66	\$
Biker Key	4.63	\$
Checkered Jacket	1.24	\$
Cloth Mask (Leopard)	1.47	\$
Desperado Key	1.59	\$
Horn-rimmed Glasses (Black)	2.09	\$
Horn-rimmed Glasses (Brown)	2	\$
Leather Boots (Brown)	1.91	\$
Leather Hoodie (Black)	1.64	\$
Long Leather Boots (Brown)	9.82	\$
Long-sleeved Leather Shirt	2.65	\$
Militia Crate	2.63	\$
Punk Knuckle Gloves (Red)	9.17	\$
Sleeveless Turtleneck Top (Gray)	2.49	\$
Striped Shirt (Gray)	4.91	\$
Training Pants (Light Blue)	2	\$
Triumph Crate	2.18	\$
Triumph Key	2.88	\$
Wanderer Crate	1.72	\$
Wanderer Key	1.55	\$
Wide Pants (Red)	7.47	\$

# Query 5: "Which is the least famous skin face type amongst the PUBG players in PUBG Armory DB?"

```
select description as least_famous_face_type
from SkinFaceLibrary
join (select skin_face_type, count(*) skin_face_count
from Player P
group by skin_face_type) SkinFaceCount
on SkinFaceCount.skin_face_type = SkinFaceLibrary.type
order by skin_face_count ASC
limit 1;
```

# Real World Value: The results of this query can help PUBG's developers optimize their character customization options (e.g. replace the least famous face type with something new) the next time they release a patch.

least\_famous\_face\_type

Round Face

# Query 6: "Which is the least famous skin hair type amongst the PUBG players in PUBG Armory DB?"

```
select description as least_famous_hair_type
from SkinHairLibrary
join (select skin_hair_type, count(*) skin_hair_count
from Player P
group by skin_hair_type) SkinHairCount
  on SkinHairCount.skin_hair_type = SkinHairLibrary.type
order by skin_hair_count ASC
limit 1;
```

# Real World Value: The results of this query can help PUBG's developers optimize their character customization options (e.g. replace the least famous hair type with something new) the next time they release a patch.

least_famous_hair_type	
Undercut	