

EVE-War Eng

EVE WAR_EDA (Explored number of alliance in the war data)



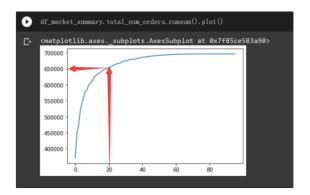
Goal:

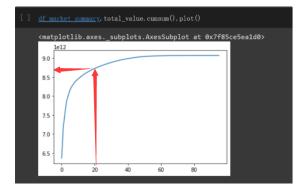
- · Introduce total value destroyed, total value dropped
 - o Properly Connect Market table to Item table
 - Idea Market Keys: Date, Item_Type, Region
 - Idea Item Keys: Item_Type, Killmail_id
 - Aggregate Item table to make < Item_Type, Killmail_id > composite primary key
- Introduce the following attacker related features:
 - o Major attacker alliance
 - o Character_Final_Blow
 - o Attacker_Avg_Security
 - o Num_Attackers
- Aggregate Across War_ID to have the following features:
 - Total_Value_Destroyed_By_Alliance_A
 - Total_Value_Destroyed_By_Alliance_B
 - o Total_Value_Dropped_By_Alliance_A
 - o Total Value Dropped By Alliance B
 - Total_Damage_Taken_By_Alliance_A
 - o Total Damage Taken By Alliance B

1. Aggregate Item table to make <Item_Type, Killmail_id> composite primary key

2. Define & Explore popularity

EVE-War Eng 1





3. Prepare Market Table by choosing the TOP 20 Popular regions, using the average among such subset to define market price

```
create table market.market_rdtj
as
(select date,type_id, avg(average) as market_price_avg
from (select *
from market.market_history h right join
    (select *
    from market.Market_Region_Summary
    limit 20) as t1 on
    h.region_id = t1.region_id) as t2
group by date,type_id
order by date)
```

4. Join the 2 tables together into Item_Market for future aggregation

```
create table market.item_market
as
(select killmail_id,date,type_id,quantity_destroyed_tot*market_price_avg as value_destroyed_tot, quantity_dropped_tot * market_price_avg
from `proud-apogee-348022.market.item_rdtj` I left join
`proud-apogee-348022.market.market_rdtj` M
on I.item_type_id = M.type_id and I.kdt = M.date)
```

5. Select the wars where only 2 alliances participated

```
create table market.WARS_DUO
AS
(
SELECT W.*, t1.Num_Alliance
FROM
   (SELECT war_id,count(DISTINCT victim_alliance_id ) as Num_Alliance
FROM `proud-apogee-348022.market.War` W
GROUP BY war_id) AS t1
   LEFT JOIN `proud-apogee-348022.market.War` W on t1.war_id = W.war_id
where t1.Num_Alliance = 2
)
```

EVE-War Eng 2