

Data Analysis

WEIJIE WU, SEBASTIAN

Goal

Using games informations that the user owned to infer the continent.

Data Summary

9713 random users

(>= 5 owned games):

AF: 1.07%, 104

AT: 0.2%, 19

AS: 13.18%, 1280

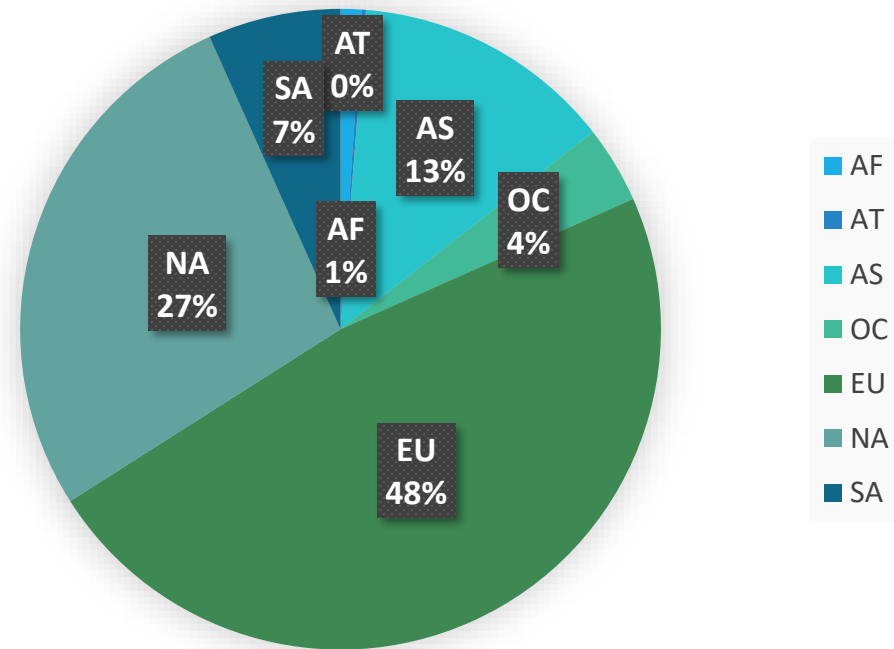
OC: 3.89%, 378

EU: 47.65%, 4628

NA: 27.31%, 2653

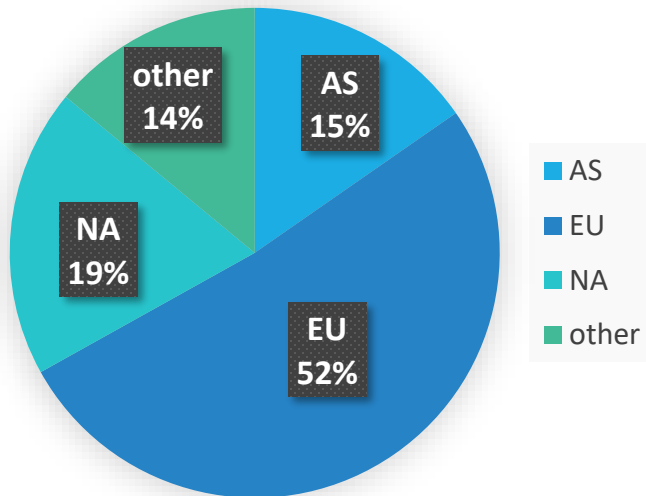
SA: 6.7%, 651

Amount of users: 9713

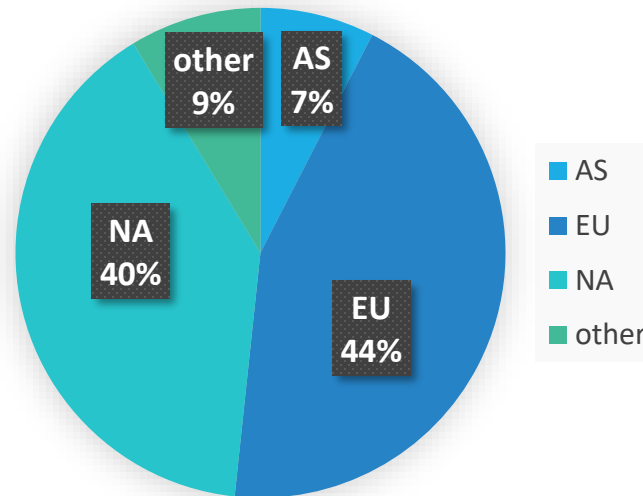


Top Games

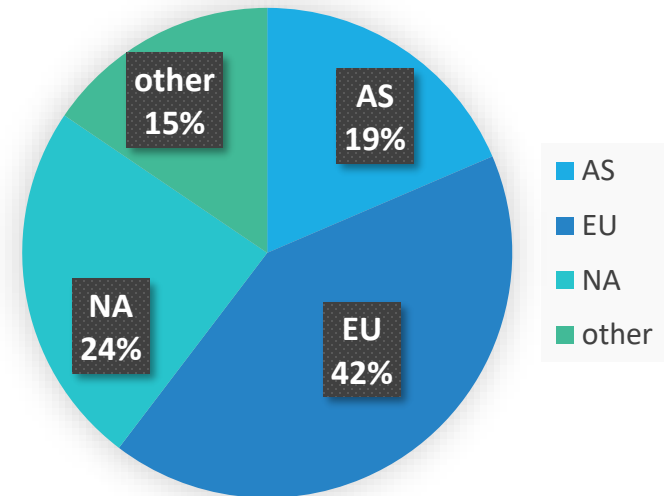
Appid: 730
Users count: 3711



Appid: 72850
Users count: 1842

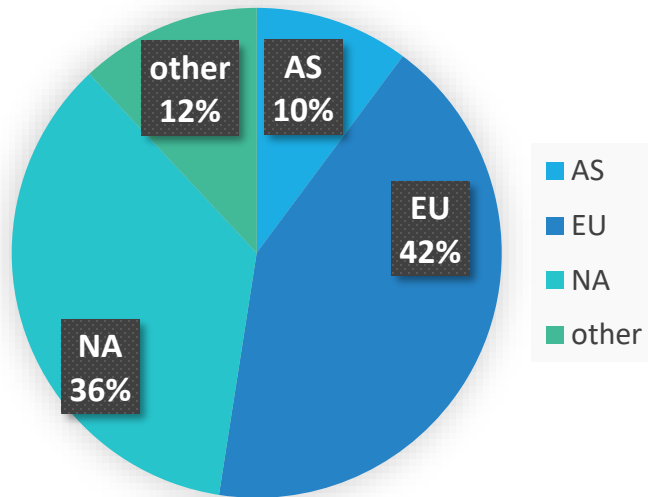


Appid: 550
Users count: 1778

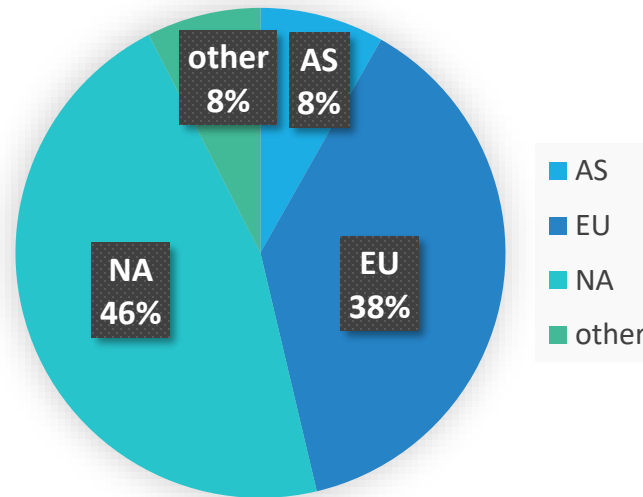


Top Games

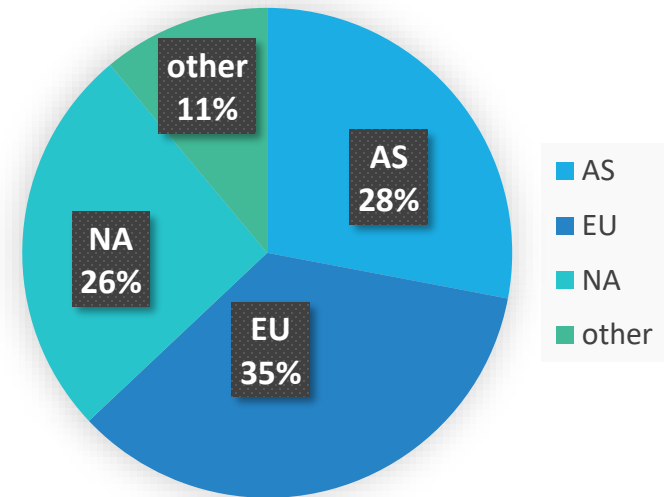
Appid: 4000
Users count: 1563



Appid: 8930
Users count: 1354



Appid: 578080
Users count: 1272



Top Games

appid: 105600

users count: 1199

AF: 1.17%, 14

AT: 0.33%, 4

AS: 9.34%, 112

OC: 5.42%, 65

EU: 38.78%, 465

NA: 40.12%, 481

SA: 4.84%, 58

appid: 271590

users count: 1183

AF: 1.52%, 18

AT: 0.17%, 2

AS: 20.12%, 238

OC: 4.14%, 49

EU: 41.0%, 485

NA: 25.44%, 301

SA: 7.61%, 90

appid: 218620

users count: 1139

AF: 1.32%, 15

AT: 0.26%, 3

AS: 16.33%, 186

OC: 3.25%, 37

EU: 50.4%, 574

NA: 21.25%, 242

SA: 7.2%, 82

appid: 240

users count: 1135

AF: 1.23%, 14

AT: 0.26%, 3

AS: 8.02%, 91

OC: 4.05%, 46

EU: 65.73%, 746

NA: 16.04%, 182

SA: 4.67%, 53

Top Games

appid: 205790

users count: 1074

AF: 1.58%, 17

AT: 0.19%, 2

AS: 32.12%, 345

OC: 2.98%, 32

EU: 41.81%, 449

NA: 10.34%, 111

SA: 10.99%, 118

appid: 230410

users count: 1041

AF: 1.63%, 17

AT: 0.29%, 3

AS: 21.71%, 226

OC: 3.27%, 34

EU: 43.52%, 453

NA: 23.15%, 241

SA: 6.44%, 67

appid: 49520

users count: 965

AF: 0.83%, 8

AT: 0.31%, 3

AS: 11.71%, 113

OC: 5.39%, 52

EU: 38.55%, 372

NA: 39.9%, 385

SA: 3.32%, 32

appid: 10

users count: 953

AF: 1.47%, 14

AT: 0.21%, 2

AS: 9.02%, 86

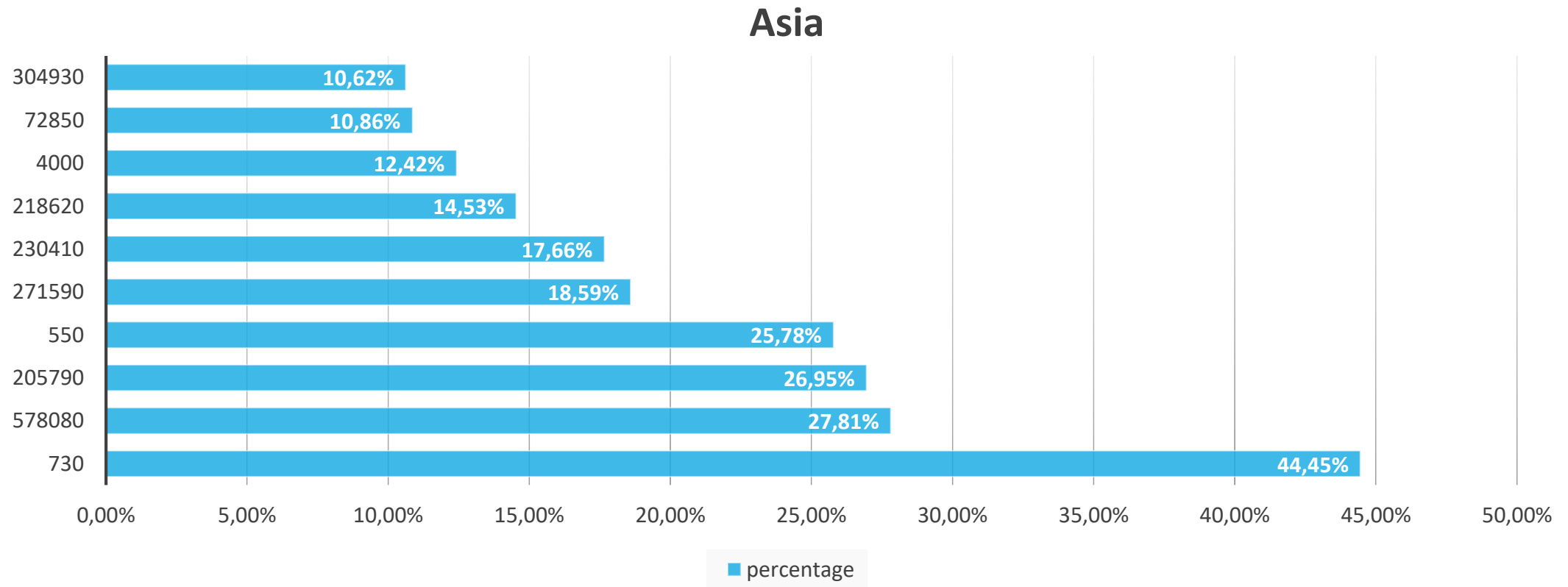
OC: 0.94%, 9

EU: 69.25%, 660

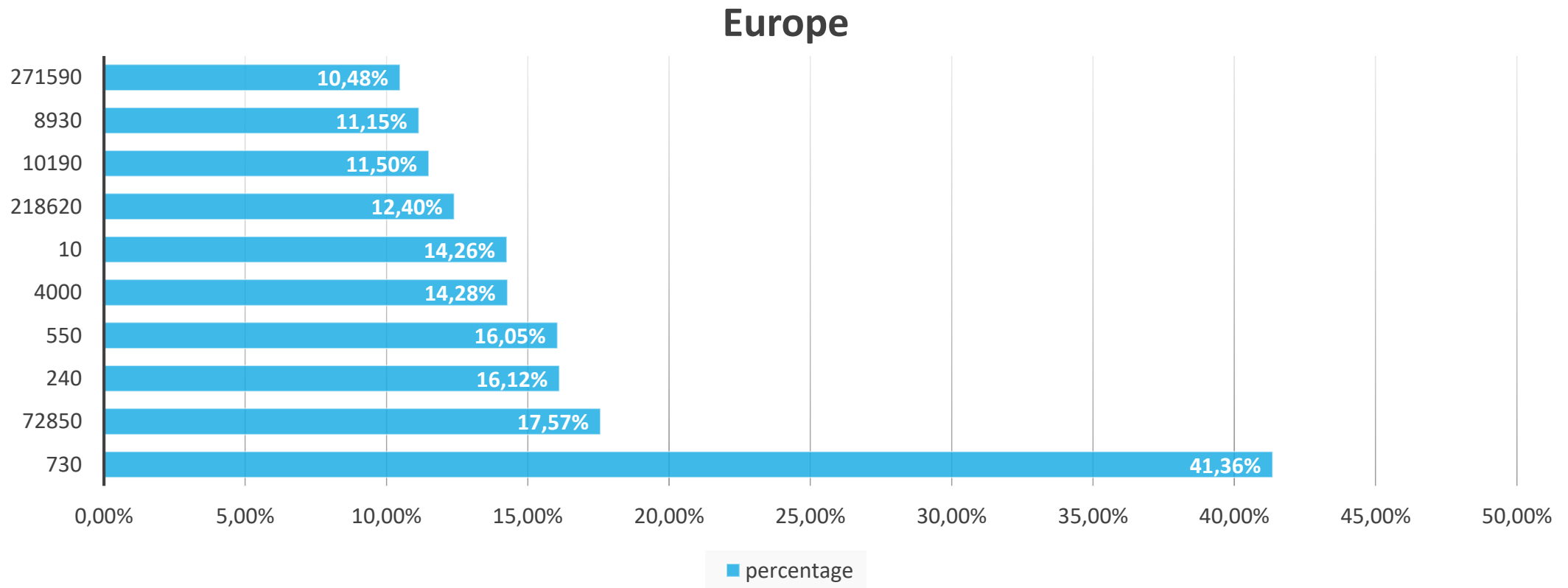
NA: 7.45%, 71

SA: 11.65%, 111

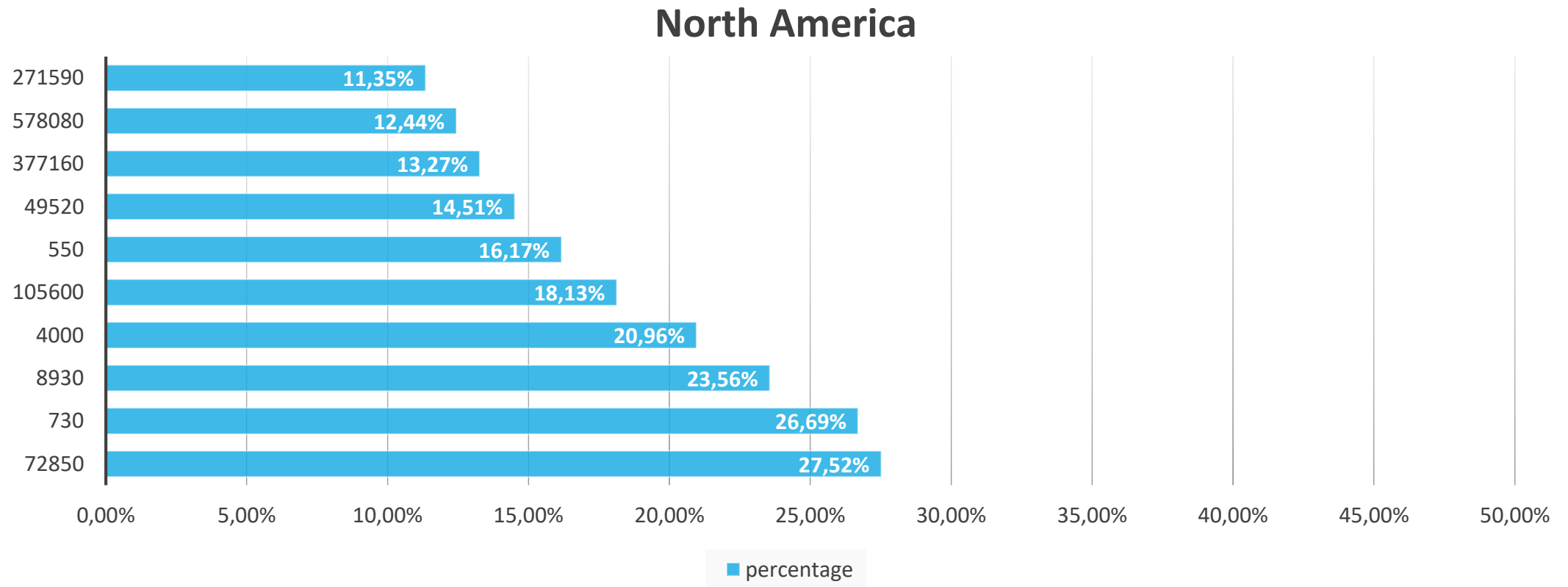
Top 10 Owned Games In Asia



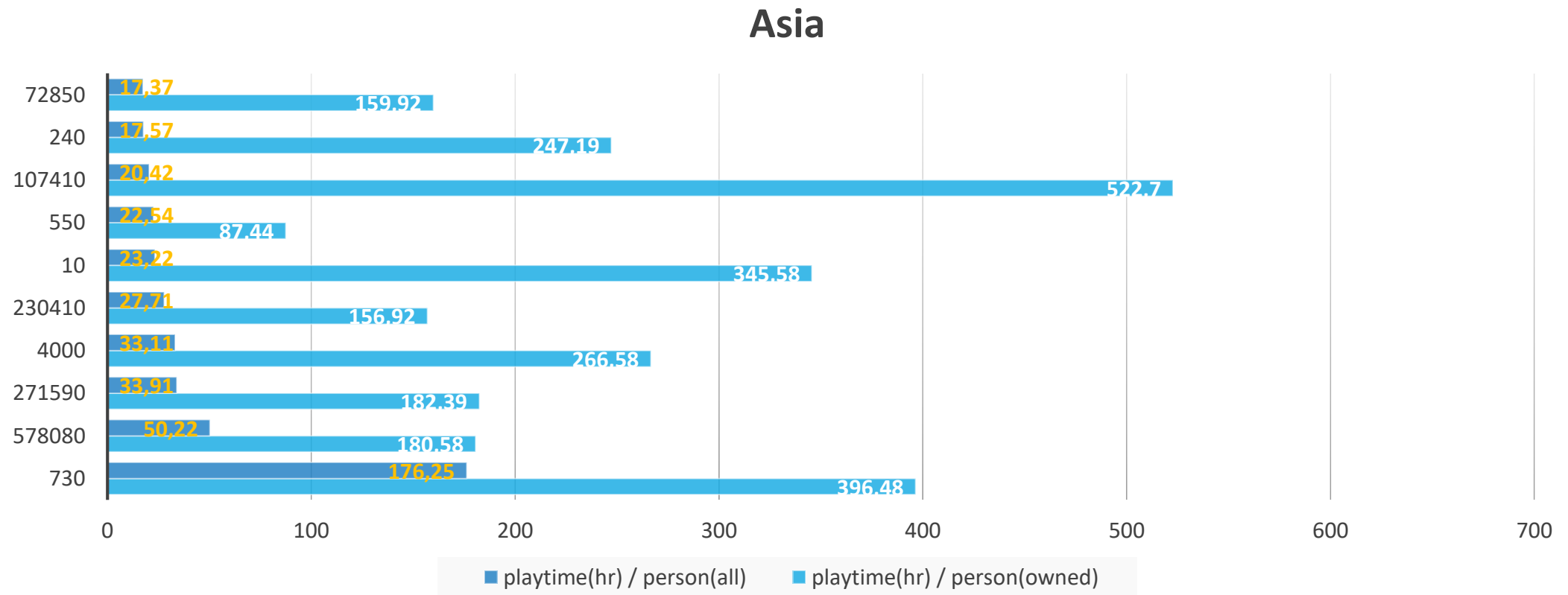
Top 10 Owned Games In Europe



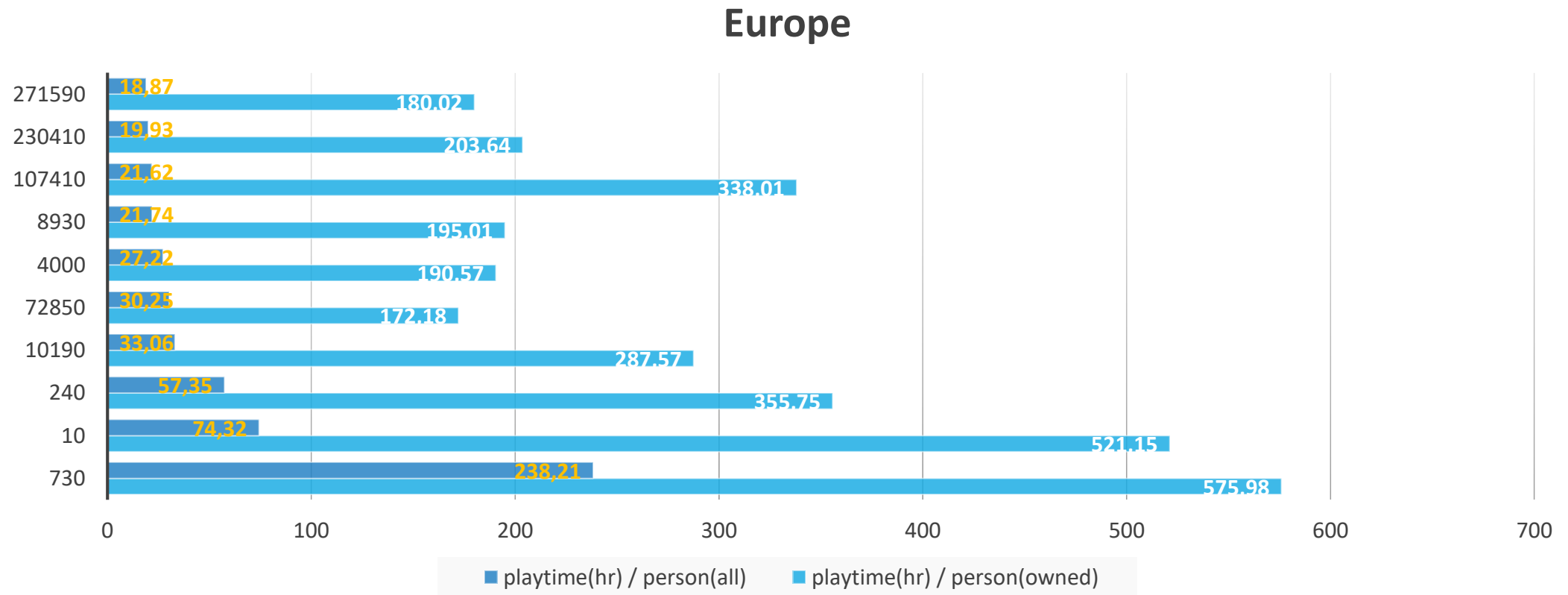
Top 10 Owned Games In North America



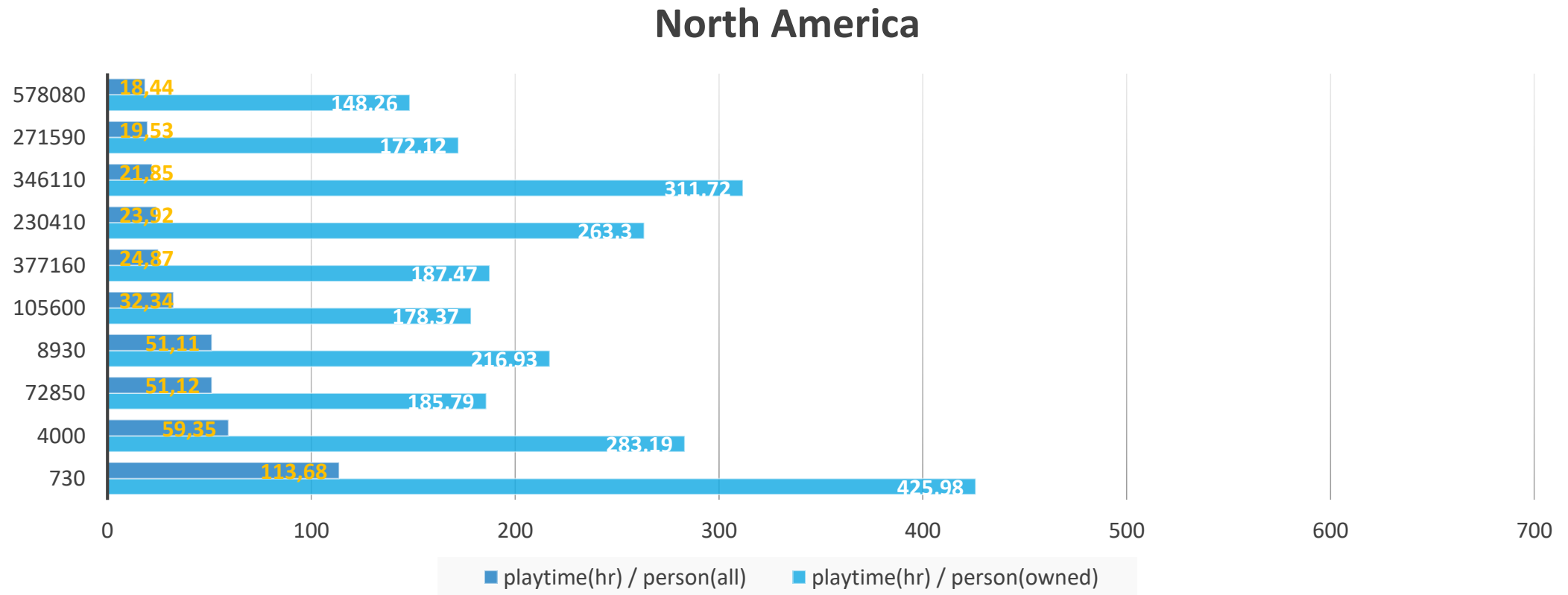
Top 10 Games By Playtime In Asia



Top 10 Games By Playtime In Europe



Top 10 Games By Playtime In North America



Next Step

Examination of regional preferences towards game genres

- weight function to make data more credible
- somebody who plays less games more often
= useful data

Weighted Function

$n \text{ games} / \text{total playtime in hours}$

x

distribution of most favored games per region

Goal

- Creation of typical pie chart of a region
- Comparison with Genre pie chart of a user
- —> **predict user's origin (region)**