

# Information Visualization

## CHECKPOINT I: Visualization Proposal

G13

### 1. Domain

This visualisation will focus on esports and their players throughout the world.

Esports' relevance is relatively recent compared to other sports, mostly due to technological advances in internet speeds, allowing online streaming services to display a type of entertainment not commonly seen in the household television.

Despite being recent, there's a lot of investment and data about tournaments that can show interesting information, such as the best age to be an esports professional, and so on.

### 2. Dataset

Dataset description:

- Static tables.
- We'll get the data from the [www.esportsearnings.com](http://www.esportsearnings.com) API and scraping the site for data which isn't available from API calls.

### 3. Tasks to be supported

Task description:

- Task 1: Analyse -> Consume -> Present; Analyse earnings from esports tournaments throughout the years.
- Task 2: Search -> Browse; Search for the countries with highest player earnings.
- Task 3: Query -> Identify; Identify at what ages players earn more money.
- Task 4: Query -> Compare; Compare different organisations.
- Task 5: Query -> Compare; Compare different games and their earnings.
- Task 6: Query -> Compare; Compare at which months tournaments were held

### 4. Example Questions

- Task 2: What countries have the highest earnings?
- Task 3: What is the age at which players earn the most?
- Task 4: What organizations earned the most?
- Task 5: What games have the most earnings?
- Task 6: Which months are the most active in esports?

## 5. Data Sample

For a tournament:

```
{  
  gameId: 245,  
  tournamentId: 28961,  
  startDate: 2018-09-26,  
  endDate: 2018-09-30,  
  totalUSDPrize: 250000.00  
}
```

For player earnings by age:

```
{  
  playerId: 3145,  
  age: 25,  
  earningsUSD: 702750.40  
}
```

For games:

```
{  
  gameId: 231,  
  gameName: "Dota 2",  
  earningsUSD: 169669456.45,  
  tournaments: 974  
}
```

For a player:

```
{  
  playerId: 3145,  
  handle: "KuroKy",  
  countryCode: "de",  
  totalUSDPrizeByAge: 702750.40,  
  currentAge: 25  
}
```

For an organization:

```
{  
  teamId: 102,  
  teamName: "Team Liquid",  
  earnings: 23820752.90,  
  tournamentsPlayed: 1395  
}
```