

[DV] Final project: Documentation

Group 24

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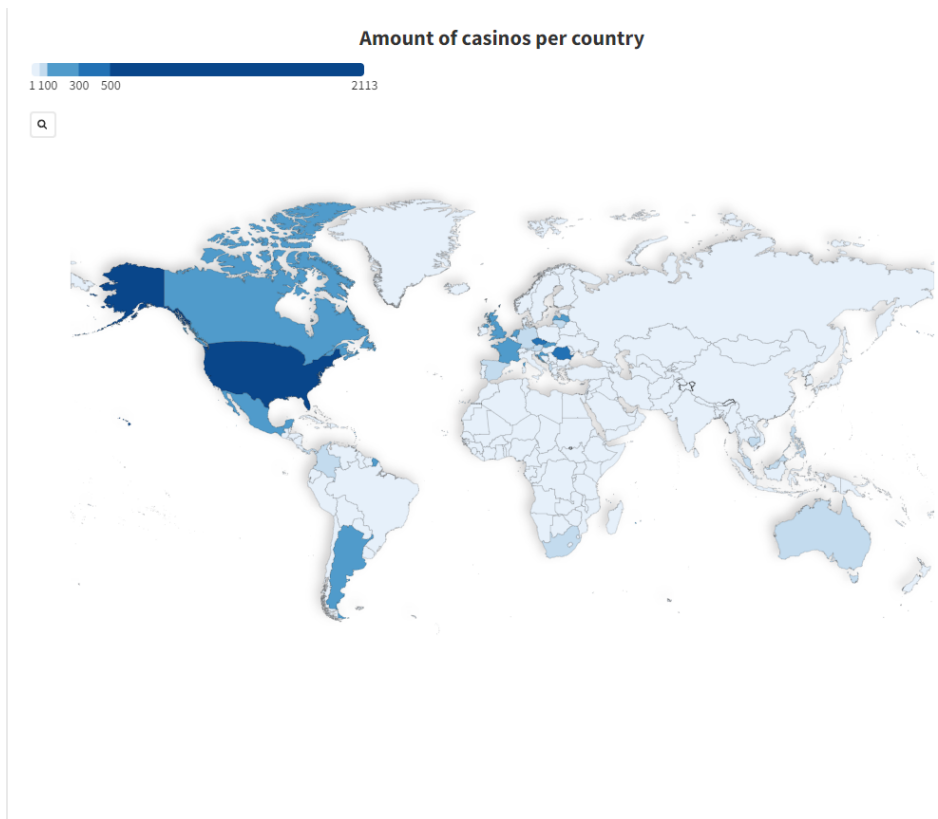
Kimberley Siemons - s2526638

Lot van der Galiën - s2553600

Michelle Gommers - s2617935

Casinos around the world -
Jesper Hoogenkamp:

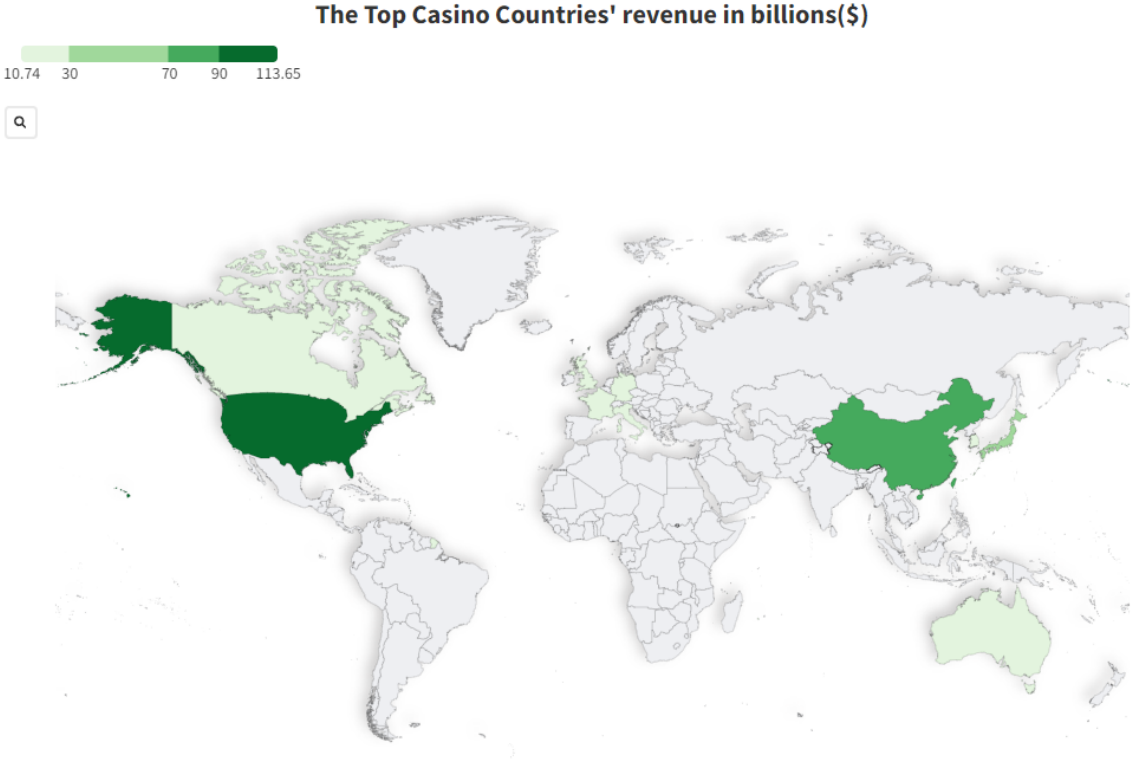
Visualization 1: Amount of casinos per country



Link for the interactive visualization: <https://public.flourish.studio/visualisation/10291782/>

Link for the source: <https://www.worldcasinodirectory.com/countries>

Visualization 2: The top casino countries' revenue in Billions(\$)



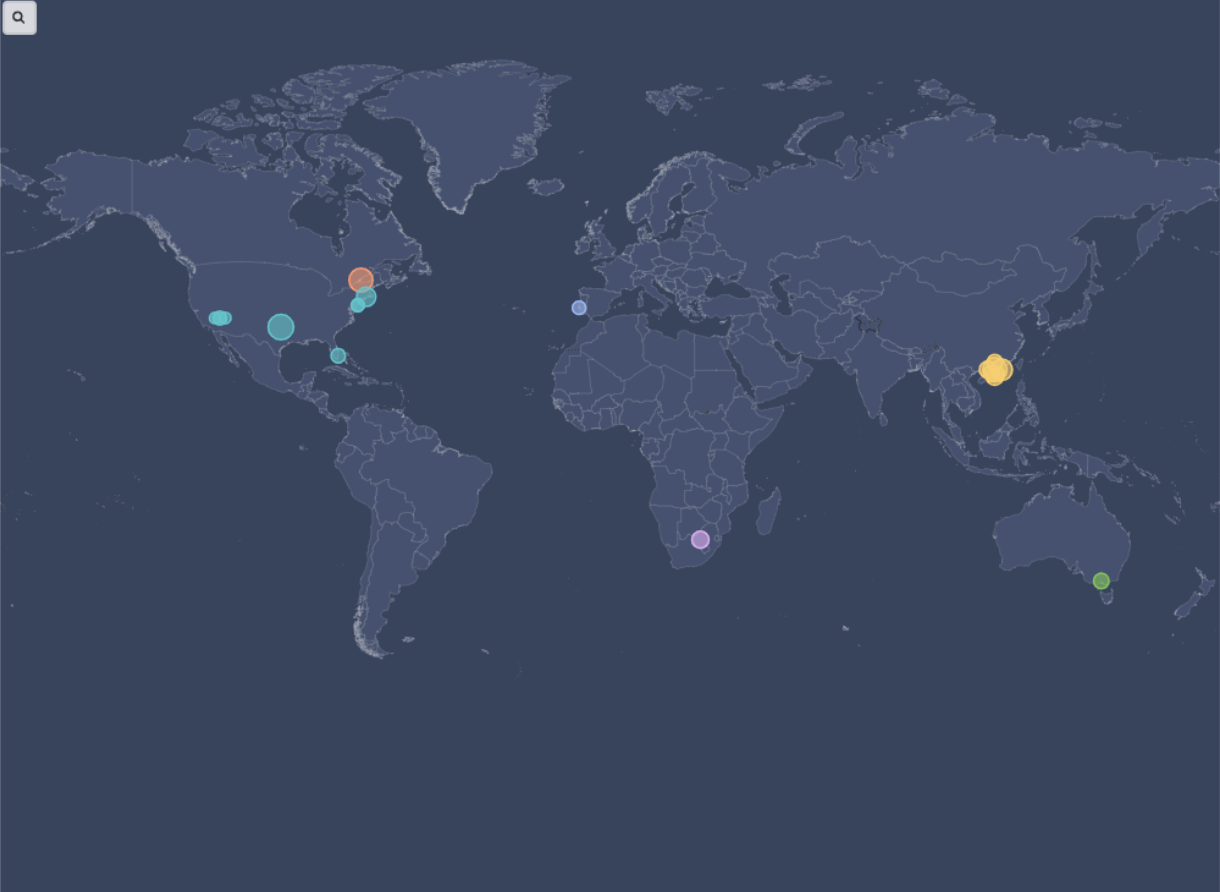
Link for the interactive visualization: <https://public.flourish.studio/visualisation/10385697/>

Link for the source: <https://www.worldcasinodirectory.com/statistics>

Visualization 3: Top 20 Largest Casinos in the world

Top 20 Largest Casinos in the world

Size in square feet: 100,000 ○ 200,000
USA Macau Canada South Africa Australia Portugal



Link for the interactive visualization: <https://public.flourish.studio/visualisation/10345878/>

Link for the source: <https://casinopie.com/largest-mega-casinos/>

Casinos in America -
Jesse Strijker:

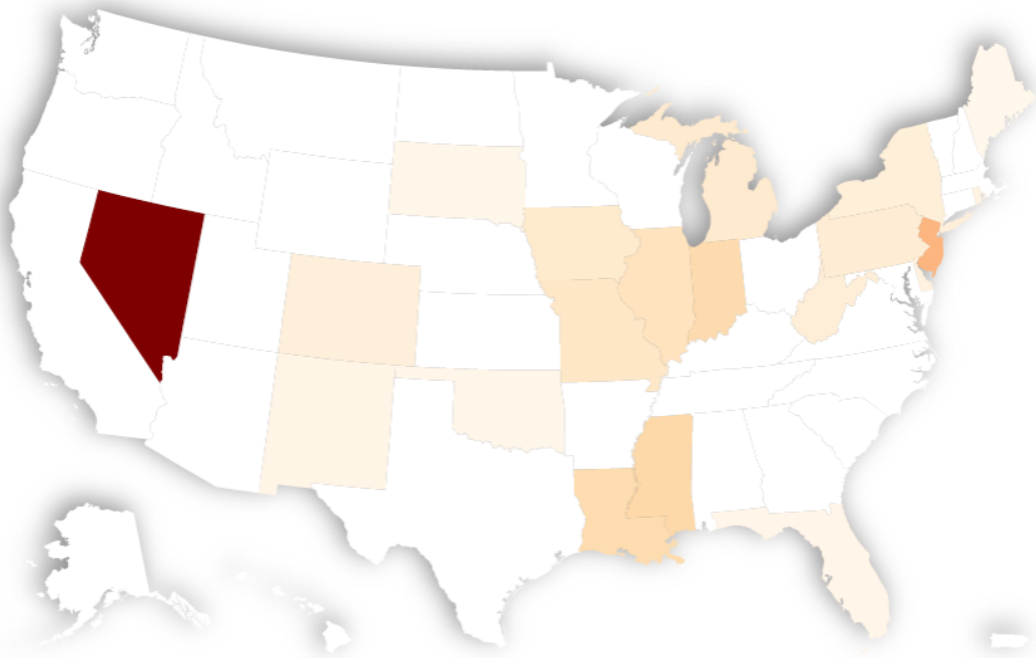
Visualization 1: Revenue per state

(Some visualizations contain an interactive tooltip, which might be of value, click on the link below the image to check out the interactive visualization.)

Profit from casino's in the US per state

▶ ● — 2007

Amount of profit per state: 1990  12,849,137

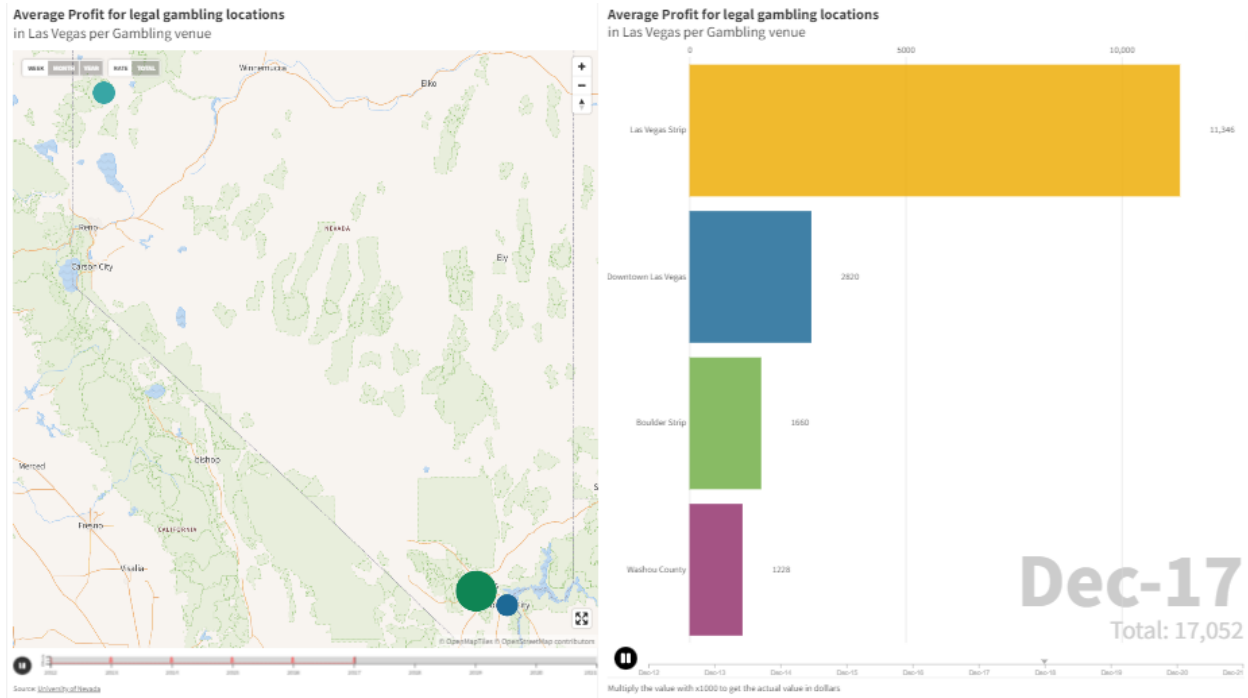


Source: [University of Nevada](#)

Link for the interactive visualization: <https://public.flourish.studio/visualisation/10388209/>

Link for the source: https://gaming.library.unlv.edu/reports/national_annual_revenues.pdf (page 2)

Visualization 2: Revenue in Nevada



Link for the interactive visualization:

<https://public.flourish.studio/visualisation/10387709/>

<https://public.flourish.studio/visualisation/10387117/>

Link for the source: [Microsoft Word - NV_dec \(unlv.edu\)](#) (page 2-5 | with calculations added later)

And for locational data source: [Latitude and Longitude Finder on Map Get Coordinates \(latlong.net\)](#)

Visualization 3: Locations in Vegas and their owners

Companies that own casino's and where
In Las Vegas



Source: [Casinonieuws.nl](https://www.casinonieuws.nl)

Link for the interactive visualization: <https://public.flourish.studio/visualisation/10387995/>

Link for the source:

<https://www.casinonieuws.nl/landgebonden/dit-zijn-de-grootste-casinos-van-las-vegas/#volledige-tabel-grootste-casinos-las-vegas>

Visualization 4: Different department revenues in a Las Vegas Strip Casino

Revenue per Department
in a Las Vegas Strip Casino



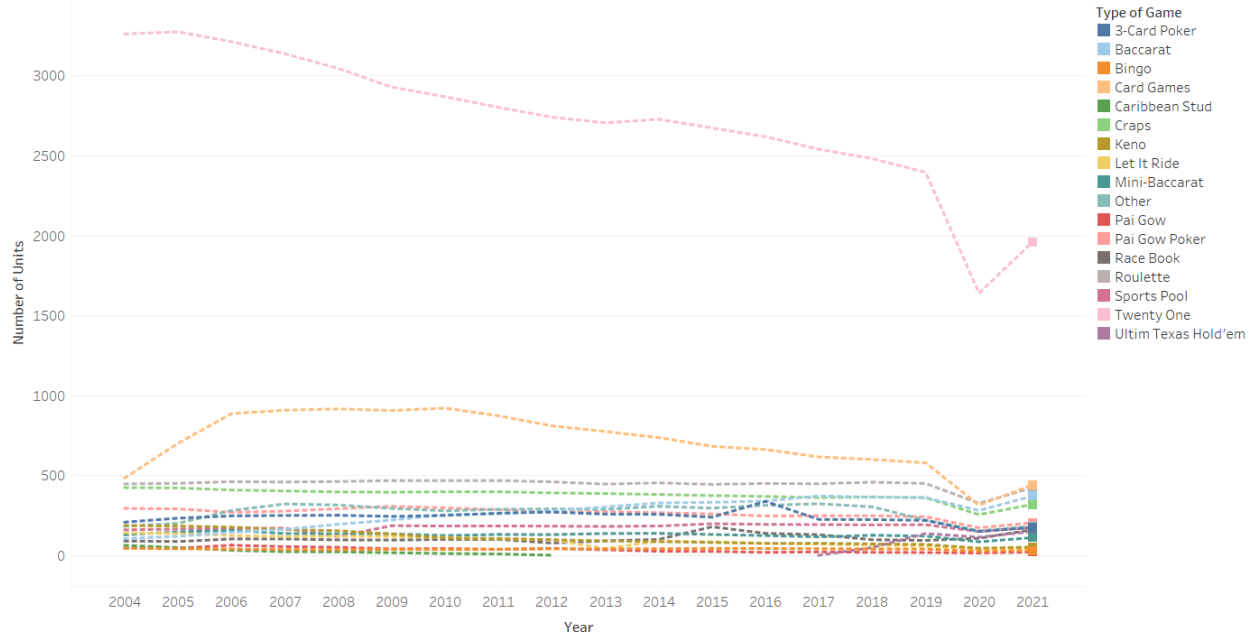
Link for the interactive visualization: <https://public.flourish.studio/visualisation/10388250/>

Link for the source: [bigstripcasino2018.pdf \(unlv.edu\)](#) (page 1 | table 1)

Casino Games - Lot van der Galiën:

Visualization 1: Casino Games over time(by number of units)

Number of Game Units over Time - 2021



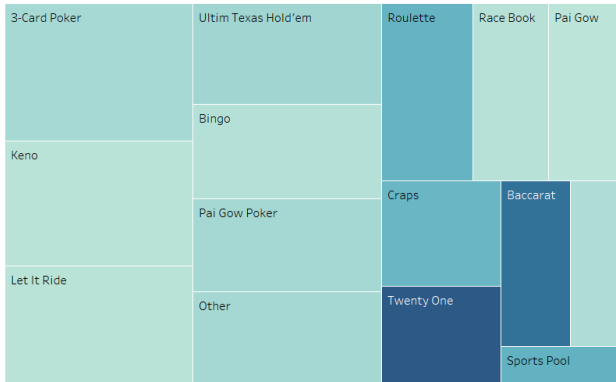
The plot of sum of Avg Units for Year Year. Color shows details about Type of Game. The view is filtered on Type of Game, which keeps 17 of 17 members.

Link to the data source: <https://gaming.nv.gov/index.aspx?page=149> (Twelve month summary, 01/01/xx - 12/31/xx, from 2004 to 2021)

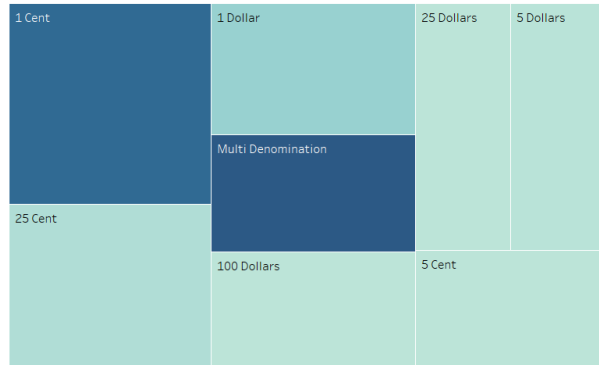
Visualization 2: Win Chance and Amount for Casino Games

Win Amount [in 1,000 USD] and Win Percent in [%]

...for various Table, Counter, and Card Games



...for Slot Games with various denominations



Table, Counter, and Card Games
All

Win Amount (Table, Counter, and Card Games) in [1,000USD]



Slot Games - Denominations

All

Win Amount (Slot Games) in [1,000USD]

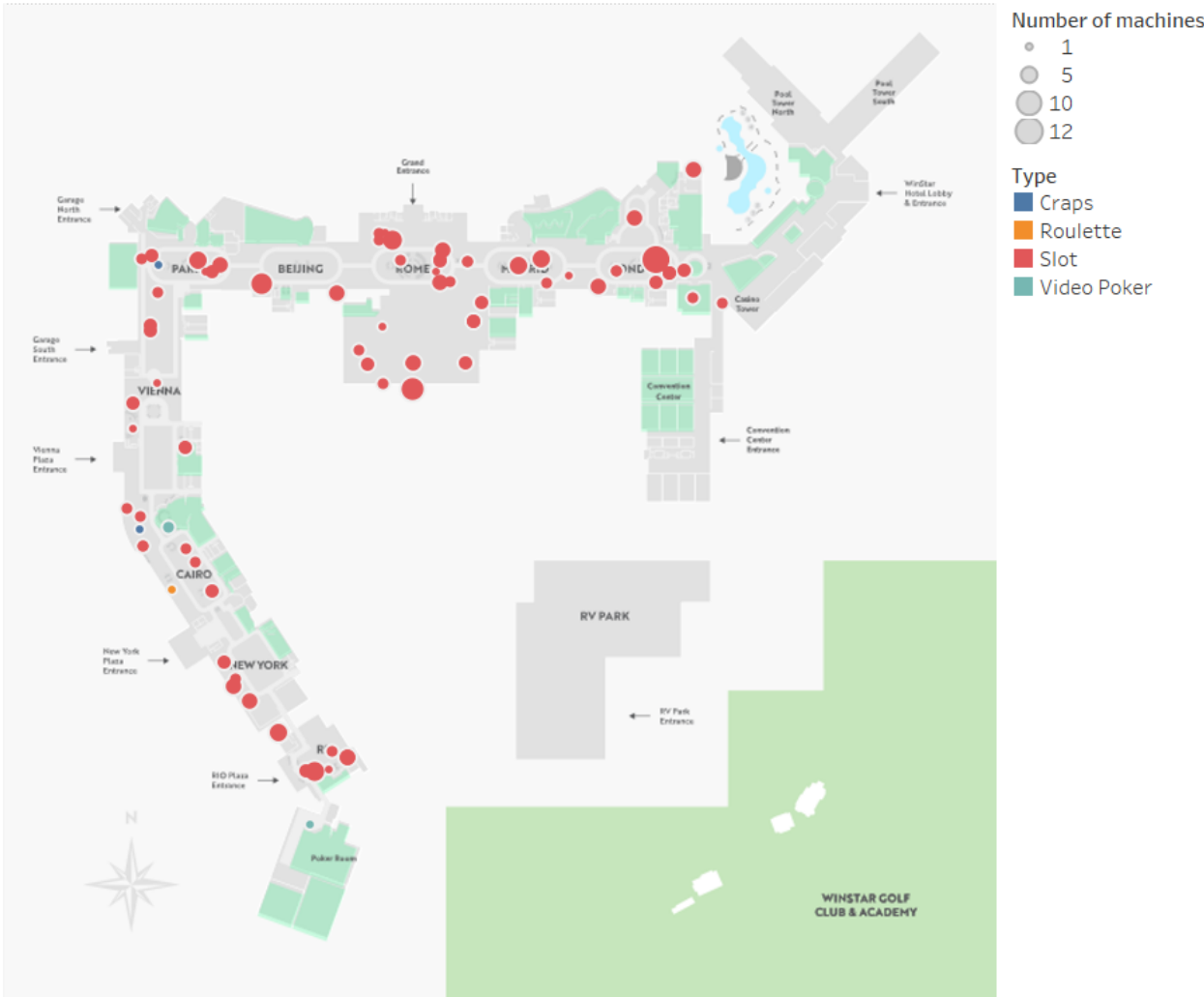


Link to the data source:

<https://gaming.nv.gov/modules/showdocument.aspx?documentid=18396> (p 4, Twelve Months - 1/1/2021 to 12/31/2021)

Visualization 3: Electronic Casino Games Location and Count

Electronic Casinogames and their Location - Winstar



X vs. Y. Color shows details about Category. Size shows Number of machines. The view is filtered on Category, which keeps Craps, Roulette, Slot and Video Poker.

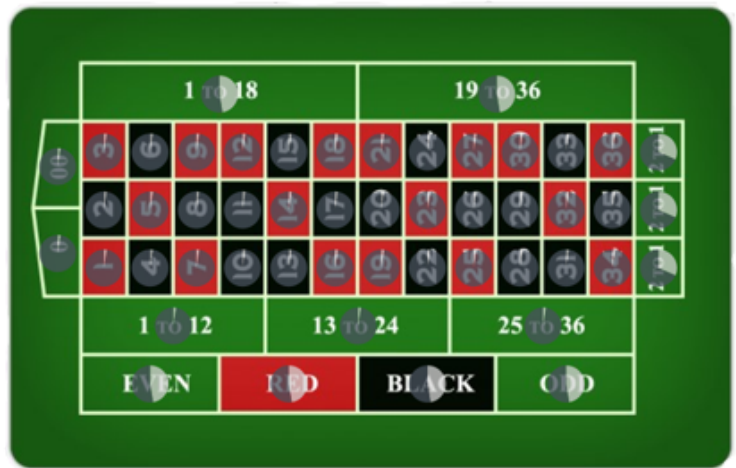
Link to the data source: <https://www.winstar.com/casino-map/> (Game Finder, data filtered by dividing number of machines per category by 42)

Game Statistics - Michelle Gommers:

And Kimberley Siemons (visualization 2)

Visualization 1: Roulette

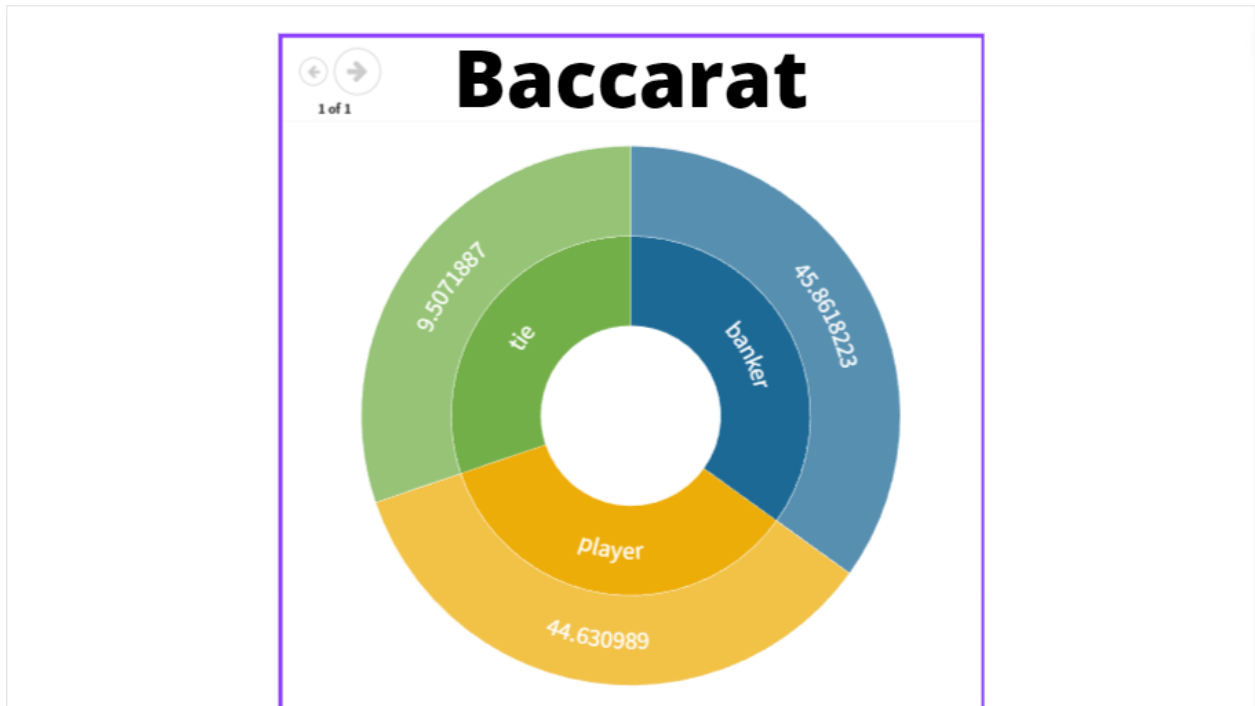
Roulette: Chances of winning the bet



Outcome
■ Win
■ Lose

Link for the source: <https://bodhi-root.github.io/gambling-stats-bookdown/roulette.html> (all calculations were checked + some additional calculations to make the whole dataset)

Visualization 2: Baccarat *(made by Kimberley)*



Link for the source: <https://bodhi-root.github.io/gambling-stats-bookdown/baccarat.html>

Visualization 3: Blackjack

Blackjack: Chances of winning for each hand total and their occurrences



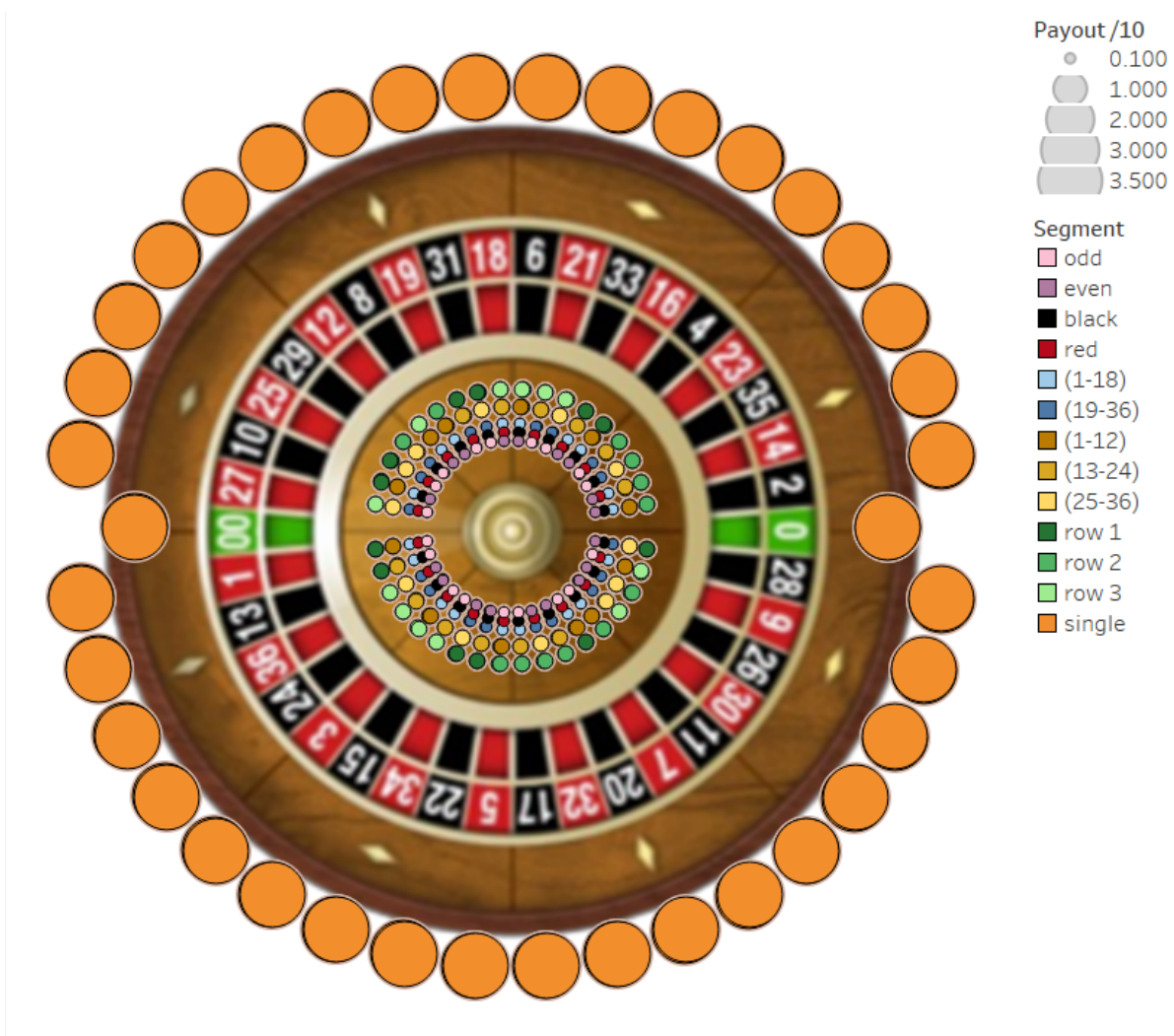
Link for the sources: http://www.beatingbonuses.com/blackjack_stats.htm (all calculations were checked + some additional calculations to make the whole dataset)

Game Returns - Kimberley Siemons:

And Michelle Gommers (visualization 1)

Visualization 1: Roulette *(Made by Michelle)*

Roulette: Which bet payouts are with which number

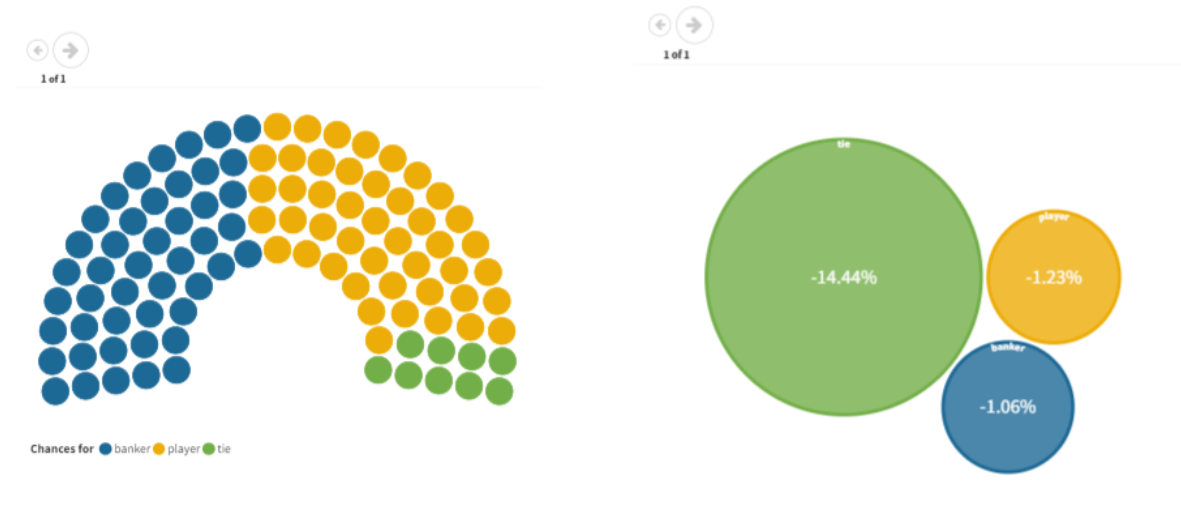


All segments in the above picture overlap with the bets you can place, see visualization 1 of game statistics.

Link for the source: <https://bodhi-root.github.io/gambling-stats-bookdown/roulette.html> (all calculations were checked + some additional calculations to make the whole dataset)

Visualization 2: Baccarat

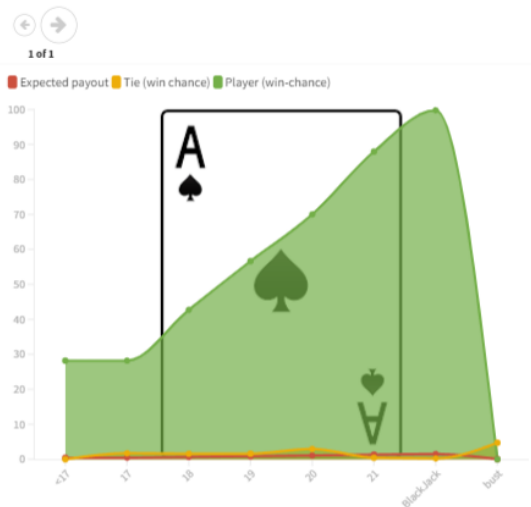
Baccarat



Link for the source: <https://bodhi-root.github.io/gambling-stats-bookdown/baccarat.html> (all calculations were checked + some additional calculations to make the whole dataset)

Visualization 3: Black jack

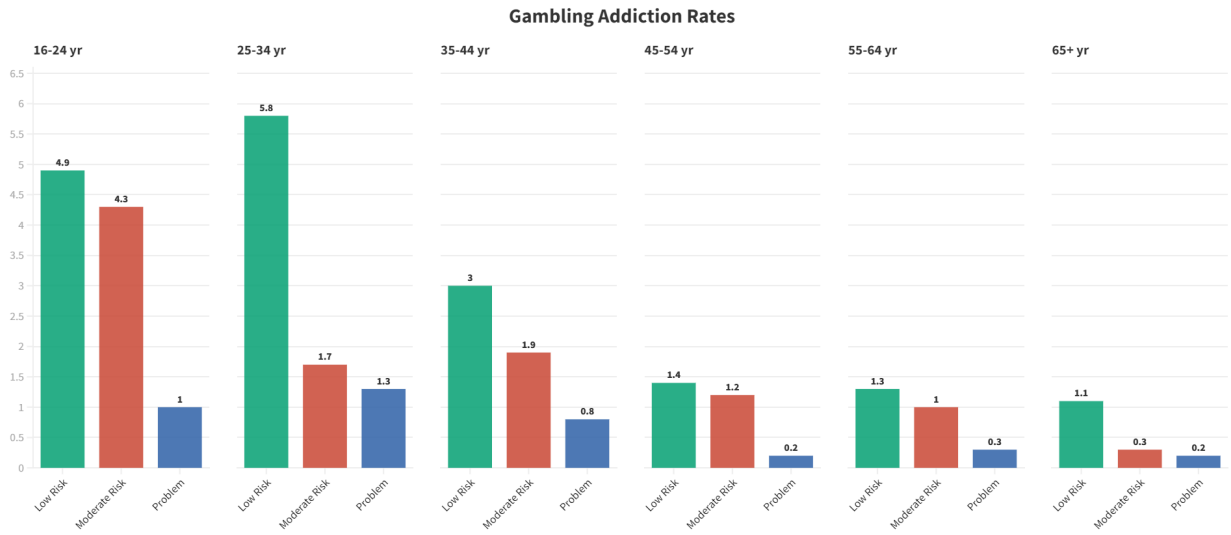
Black Jack



Link for the source: http://www.beatingbonuses.com/blackjack_stats.htm (all calculations were checked + some additional calculations to make the whole dataset)

Demographics - Daymen van den Hoorn:

Gambling per age group

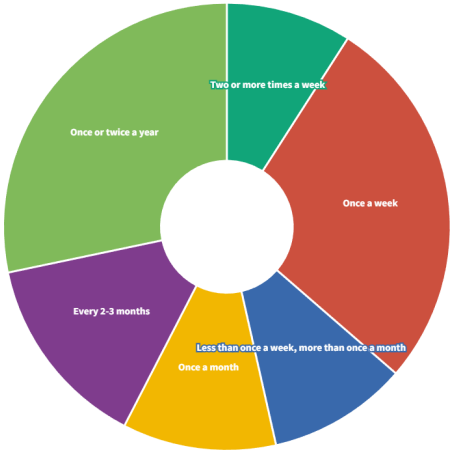


<https://www.gamblingcommission.gov.uk/statistics-and-research/publication/statistics-on-participation-and-problem-gambling-for-the-year-to-march-2022>

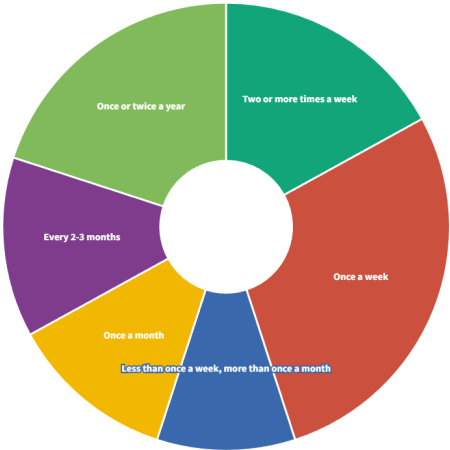
Gambling percentage men vs women

Female / Male Frequency

Female

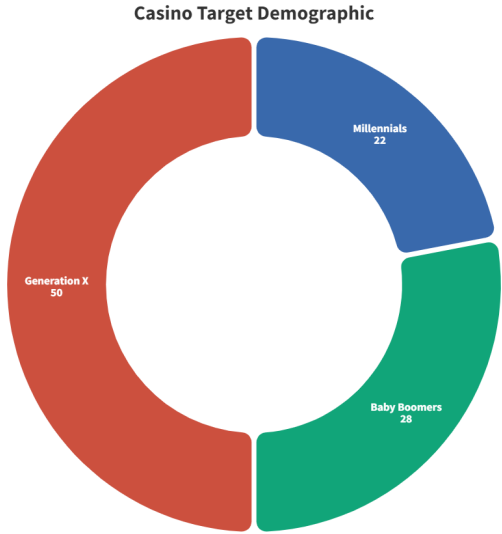


Male



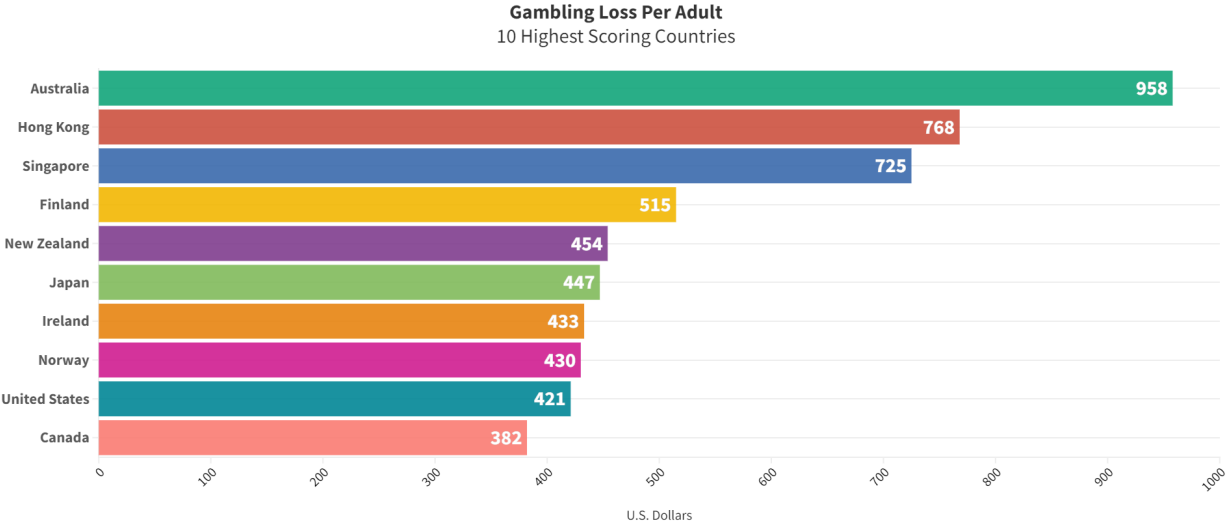
<https://www.statista.com/statistics/916276/participation-gambling-great-britain-gb-gender-and-frequency/>

Casinos age group target



<https://venturebeat.com/2019/02/05/synergy-blue-70-of-casinos-say-they-plan-to-add-skill-based-games/>

Gambling losses per adult worldwide



<https://www-statista-com.ezproxy2.utwente.nl/statistics/552821/gambling-losses-per-adult-by-country-worldwide/>