Dealing with Parkinson's disease by using Games

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Research question & Goal

RQ

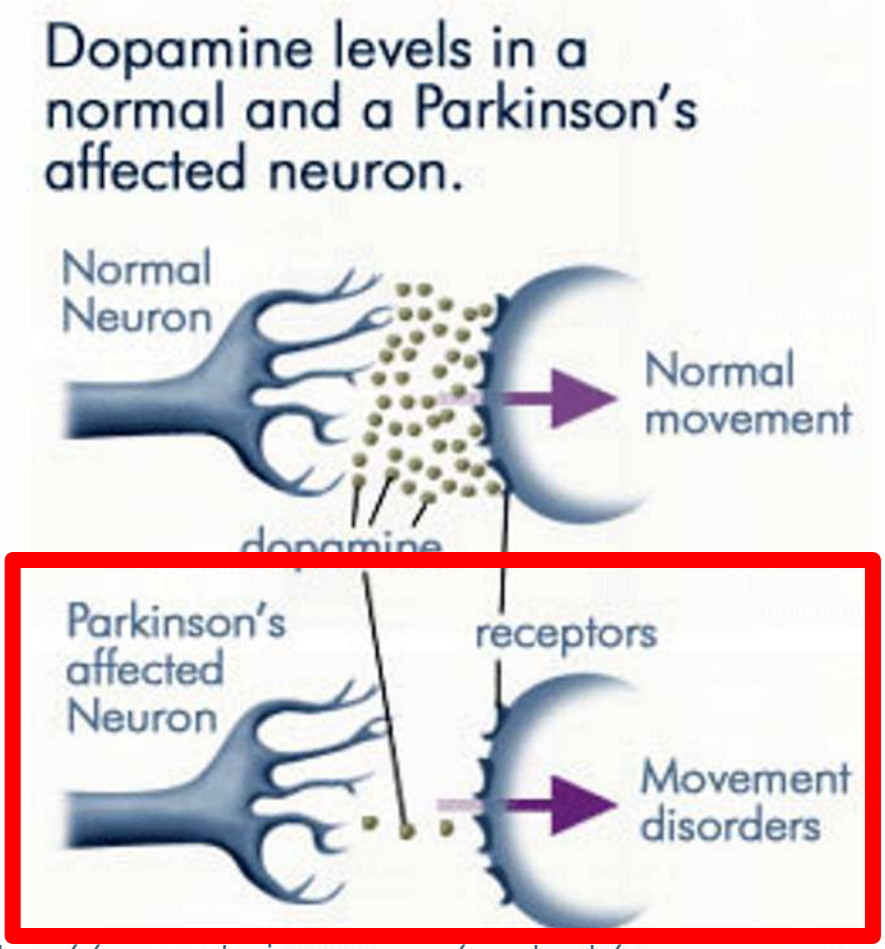
Will it be possible to practicalize a treatment for Parkinson’s disease that utilizes game?

Goal

Propose the idea of game-based Parkinson's disease treatment facilities and systems, as well as predictable game-type applications.

01

ABOUT THE DISEASE



https://www.atrainceu.com/content/2-pathophysiology-parkinson%E2%80%99s-disease

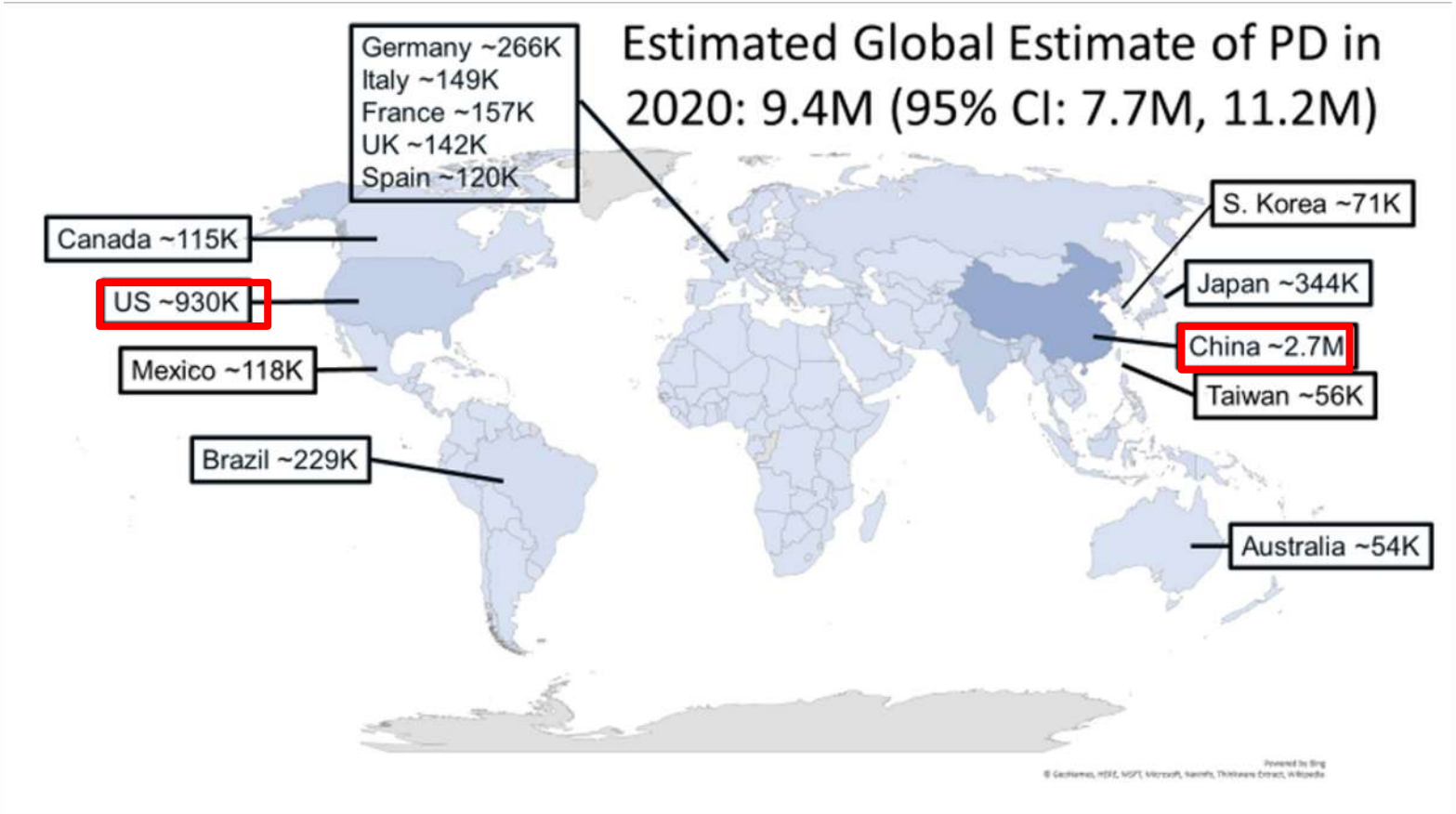
One of the intractable disease

(serious problem)

Cause

Reduction of dopamine caused by the loss of nerve cells

Estimated number of PD patients



3 main symptoms

involuntary shaking of particular parts of the body

slow movement

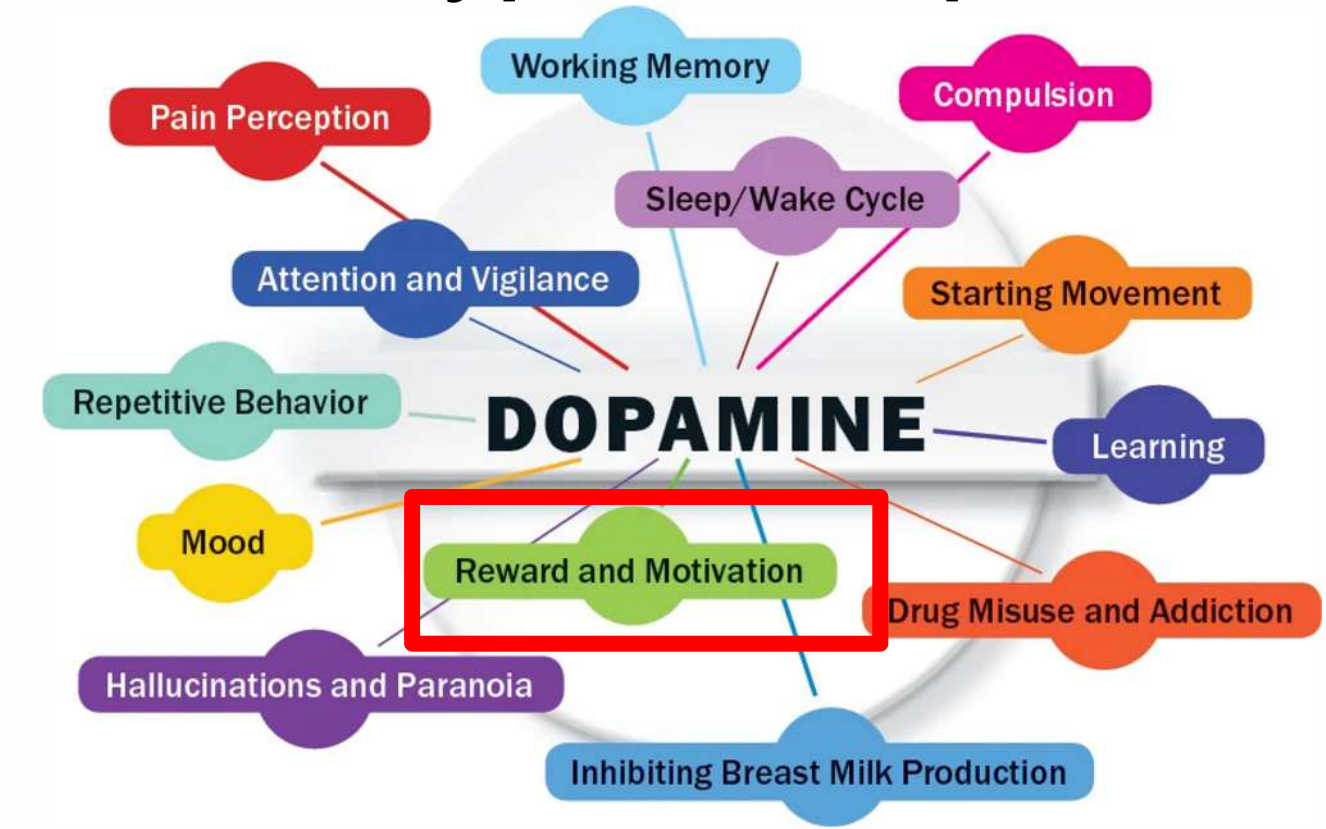
stiff and inflexible muscles

Treatments we have right now

Meditation

Surgery

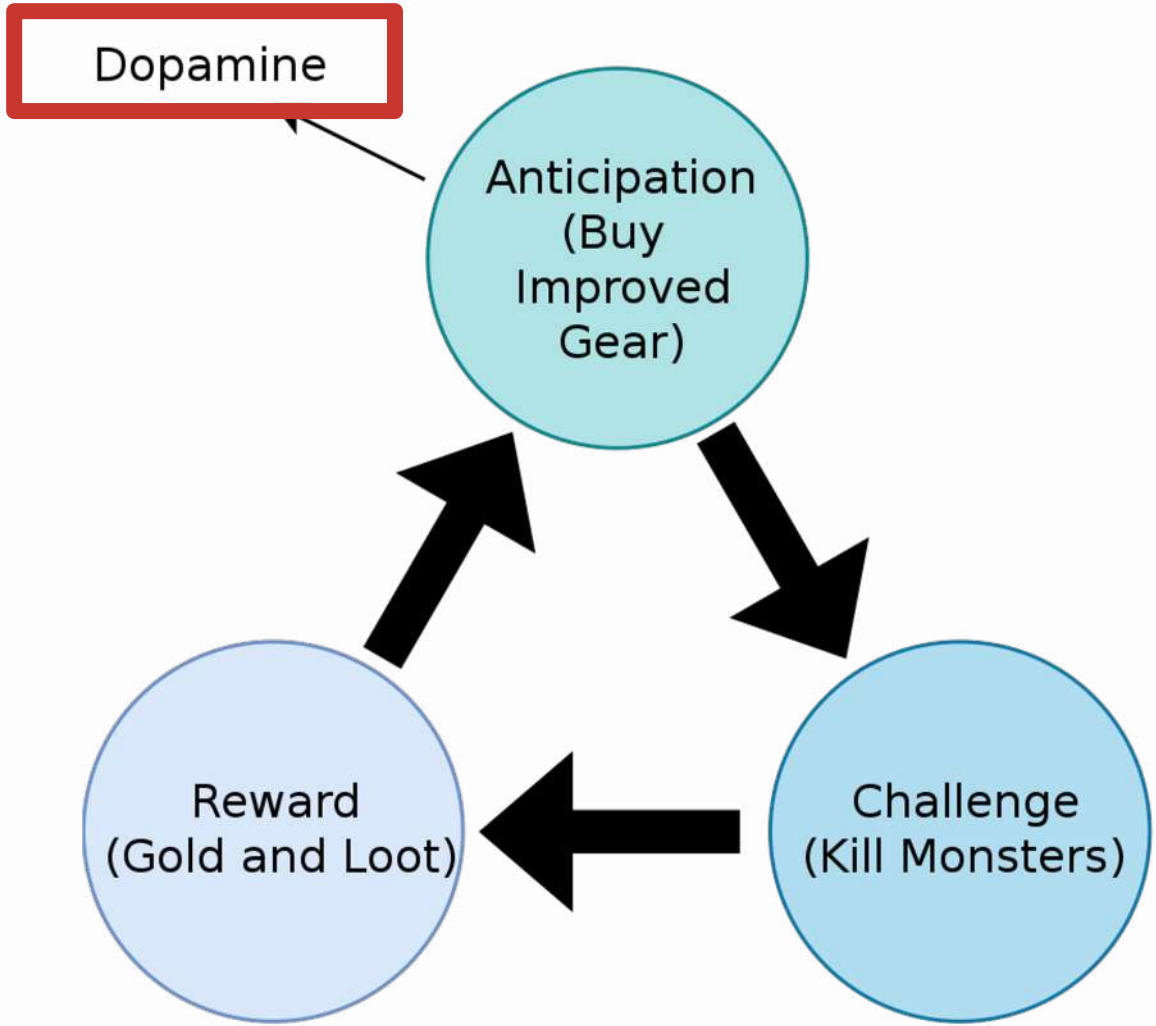
What activity produces Dopamine????



https://www.scientificamerican.com/article/dopamine-the-currency-of-desire/

Using game

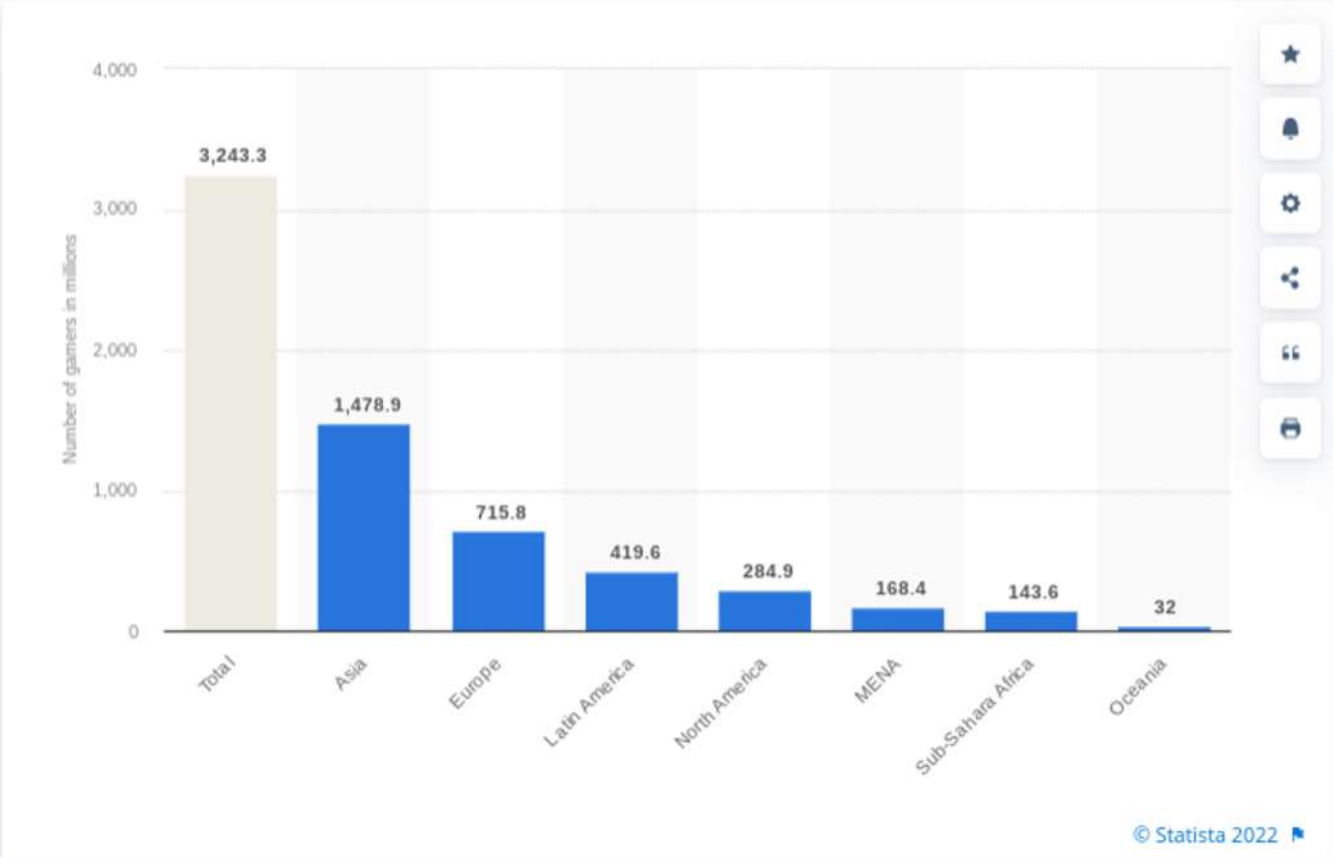
How game addiction occurs



Information about game

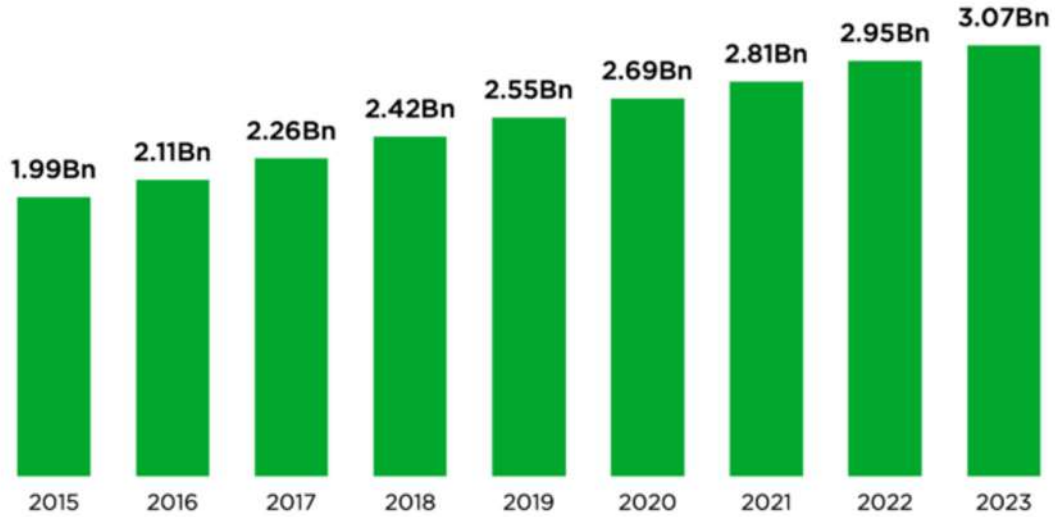
Number of video gamers worldwide in 2021, by region

(in millions)



2015-2023 Global Players

Forecast Toward 2023



+5.6%

Total Players CAGR 2015-2023

Mobile Players in 2020

2.5Bn

Console Players in 2020

0.8Bn

PC Players in 2020

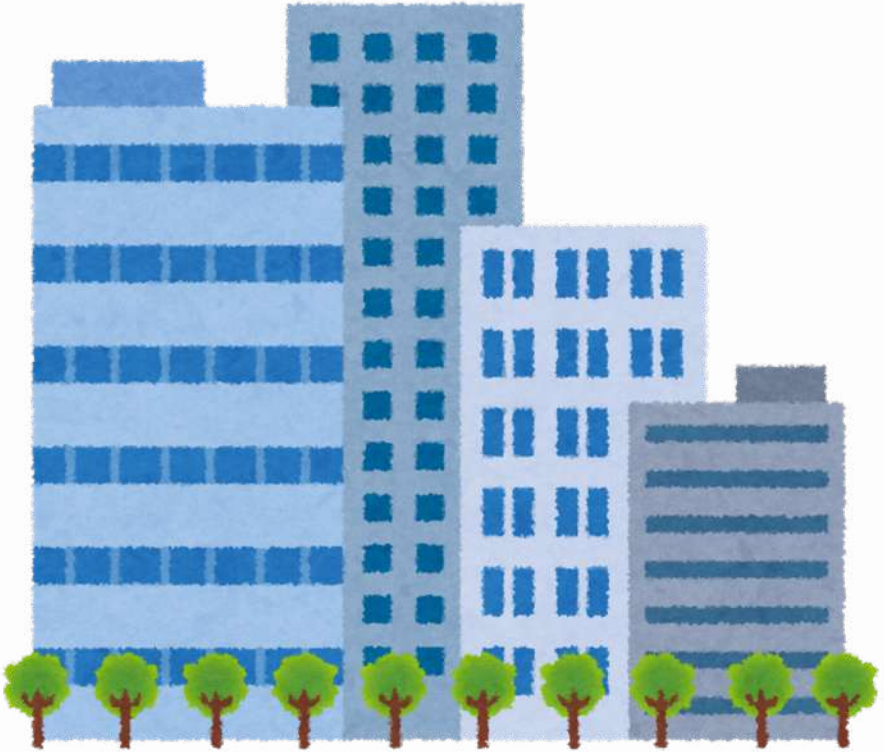
1.3Bn

Source: ©Newzoo | 2020 Global Games Market Report

newzoo.com/globalgamesreport

https://newzoo.com/insights/articles/games-market-engagement-revenues-trends-2020-2023-gaming-report

Inventing a facility that cures/diminishes the effect of Parkinson's disease using Game



Hospital

Facility

SDGs 3

Thank you for listening