Zero to Hero

Hero Recommender

What exactly is Overwatch?

Overwatch is a colourful team-based shooter game starring a diverse cast of powerful heroes.

Since 2016:

- 30 million players
- 5 million dollar prize pool

There are 31 heroes in Overwatch with plans to release more…
Hero choice is important to:

New players

High level players

The game

—

How many heroes do we need to be proficient with to play effectively with your team?

—

Just one! The right one.

(With a little help from my recommendation system.)

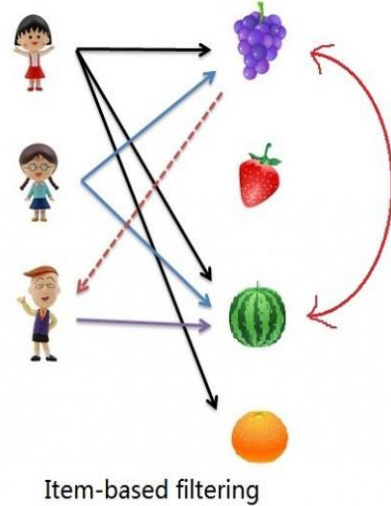It is quite common to play just one hero in many scenarios and many top level players strictly play one hero.
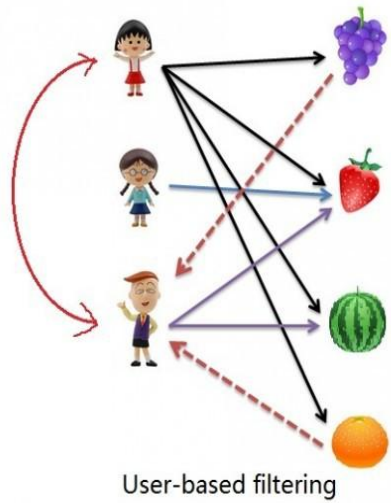
This recommendation system can help you to diversify your hero pool or focus on just one! The right one.

New users can obtain a recommendation after rating **just five heroes**

Existing users can obtain a recommendation by **clicking a button.***

*Feature not currently implemented

User-based filtering

Item-based filtering

How does it work?

TOP 5

Users similar to you share your top heroes.

Heroes other similar users play that you don't are recommended to you.

A hero recommender is useful in different ways:

New players: No need for a well of game knowledge to select a good hero

High-level players: Looking to diversify their hero pool

Game developers: Encourage a healthy game state where players enjoy playing the heroes they like.

Pros know their role

The three key roles in Overwatch define the game:

Tank   Damage   Support

Select your Role

*Available in Future versions

DAMAGE   TANK   SUPPORT

Milestones

February 20th

Scraped thousands of web pages with Scrapy

March 2nd

Developed interactive user rating function

| Scraped Data | Recommendation Engine | App |

February 27th

First collaborative-filter model

March 6th

Tying it all together and Implementation of front end user application

What people are saying

This is a really interesting idea I am looking forward to trying it!

Brilliant idea.

Quite Valuable and potential to be very useful.

Quotes from people I have talked to about the concept only.

Have an Idea?   Or   Want to know more?

Contribute to the Overwatch Hero recommender by contacting me:
algakovic@gmail.com

	A	B	C	D
A	0	1	1	0
B	1	0	2	0
C	1	2	0	0
D	0	0	0	0

Item to Item Matrix

Viewed Items [B, C, B]

User1

[B,C]   [C,B]

B   C   B

Viewed Items [C, A, B]

User2

[C,A]   [A,B]

C   A   B

Viewing Item

User3

A

CosSim(A,B) = 0.63
CosSim(A,C) = 0.63
CosSim(A,D) = 0

Recommendation:
Item B and C

Vector A: [0,1,1,0]
Vector B: [1,0,2,0]
Vector C: [1,2,0,0]
Vector D: [0,0,0,0]