Hi Everyone! My name is Mayra I’m a Data Scientist Student and during this presentation, I’m going to introduce you to what roller derby is? And Why should you know it? And why should you be a part?

I’m sport fan, this is me in the RDWC in Manchester two years ago, also I’m a RD playe5r. But, first, whats is roller derby?

Roller derby it’s a contact sport played in a oval Flat track, with skates and without balls.

So, let me start asking you. Are you a Sport fan? Generally when we think in sport fans, we think in this kind of images.

But if you recognize yourself as a woman, you are probably not a sport fan.

According to the survey of sport habits in spain. The women attended almost 20% fewer sport events than men. And if we see the main reason it’s because they has no interest in sports. And if we check the access to sport in audivisual media, we can see women saw 20% less sport than mens.

So, why you should know roller derby?

Well there is many many reason, like the difficult as an adult to meet new people, to make friends, and RD can incorporate a wide range of people. There is a lot of roles that can you enjoy in RD: as be a players, be a refere, a voluntarie, a photographer, a announcer or just be a fan.

Buty that its not very scientific. So, for answering that question I did web scraping. And for those that are not familiar with WS, WS it’s a data extraction method. Where I select some Webpage, I extract the data and I structurate it using codes to analyze it.

For this I select 3 pages Twitter I extract text of the tweet for 5 hashtag, WFTDA the ranking for the last 7 years and the FT stats to extratcs the games and tournaments for the last year.

So, using this information I established 5 points to answer this question.

It’s a team sport

When we see why the people practiced sport the last year, first we see women practiced less sport than men, and if we see the main reason why they practiced it, it’s less frequent that they practiced because they like it or justo for fun. And if we see the most practiced sports, we se women practiced more individual sports,. So looking this gap we can clarely see why its so important support women team’sport.

Its close to you.

Here we can see the location of the games and tournaments played the last year month by month, and in this imagen we can see the trips that the teams have made the last year. Each colour represent the region where the teams are from. But if this is not close enough for you, this is all the teams, playing RD until today.

It’s a growing sport

In the last 7 years we can see the growth that RD has had in the world and in the Europe in particulary. To talk about groght here in Europe I did a prediction model with ML to know how many teams there will be in 10 years. Here in Eurpe we can see in yellow the data for the past 7 years, and here in red my prediction that is telling us in 10 years we will have 150 teams in Europe

Its exciting.

To show you this, I did this barrace for the historical ranking. And we can see how the ranking it’s changing across the years, and not only the top 5 its changing, also the region where those teams are from.

Here I could talk about the jewish team, or the team indigenous, teams that I saw playing in the world cup two years ago. Or I could take abour the fact that if you are a trasngeder women, intersexual, or gender-fuid, non-binary person you are included in the teams.

I’m going to take about the way that the community express itself in the social media. For this, I have analyzed the hashtags of the 3 most important sport leags, to compare thm. For this I did a sentimental analysis using Vader. Sentimental analysis aims to measure the attitude, sentimental compounen and emotions of a writer based on their text. And Vader it’s a modeul using to analize the polarity of the texts.

In the PL we can see that we have 5% of negative, commentos, 53% of positive

In NFL we see the same pattern that its 5 % of negative comments, and 53 % of positive.

And for the NBA we have the best result with 4% of positive comments and 54 % of positive

But if we see RD we have less than 1% of negative % in the derbytweeter hashtag, and 1.5% in the champsionship hashtag.

But what happends if we compare those messages that have the highest negativity score.

We see clarly the difference between the use of the language. The least aggressive in the RD community

So support your local RD league

You can enjoy a lot playing RD , just knowing the community,or when restrictions allow just buy a ticker and enjoy a sport even