**Presentation Shiffrin**

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### **Introduction**

Today, I will talk to you about Mikaela Shiffrin, a world-renowned alpine skier who has inspired many people, including myself, in recent years.

I have been skiing since I was 5 years old, and since high school, I have started to discover the world of competitive skiing, starting with watching Mikaela Shiffrin. I was impressed by her skiing technique: precise yet fast at the same time.The objective of this presentation is to understand what Shiffrin has done for the world of competitive skiing and who she has become.

### **Biography**

Mikaela Shiffrin was born on March 13, 1995, in Colorado.In addition to this, Mikaela Shiffrin is considered the woman of records:...

### **Description of Specialities**

Like all sports, there are different specialties in skiing:

1. **Slalom:** It is one of the most technical and spectacular events in alpine skiing, where skiers have to navigate through a series of closely spaced gates along the course.

Sweden -> Are

This is a clip of when MS set a new record for the number of victories (87).

1. **Giant Slalom**: The giant slalom involves a course with wider and more widely spaced gates.

In this clip, we are in Italy, at Kronplatz in 2023. Here again, Shiffrin wins.

1. **Super-G**: The gates are even further apart, allowing skiers to reach very high speeds along the course. I have experienced the thrill of reaching speeds up to 105 km/h.

I will only mention the names of the other disciplines (these are the ones she participated in less, so we won't analyze them).

### **1° Question**

**1° Graph:**

This graph represents the average points earned by Mikaela Shiffrin in the three main disciplines of alpine skiing.

Before describing the graph, it is important to mention that each finishing position corresponds to a certain number of points.

Key points: It is evident that slalom is her best discipline, especially considering that she has competed in 104 races. This demonstrates the consistency of points earned by MS, as it becomes increasingly difficult to maintain a good average with more races. Furthermore, I have also included the number of victories, and for slalom, she has achieved 53 victories, which means an average of 1 victory every 2 races.

**2° Graphs:**

This graph represents the average total points earned by Mikaela Shiffrin in the different disciplines of alpine skiing per season. The animated visualization shows how the average points vary over time for each discipline.It is evident that slalom continues to be her best discipline, as she consistently achieves a high score. In the 15-16 season, she has an average of 100 points in slalom. I personally verified this and she actually won all slalom races in that season.

### **2° Question**

**1° Graph:**

This graph represents the number of times she finished in a particular position (among the top 20).The x-axis lists the top 20 positions, while the y-axis represents the number of times she finished in that position.

I decided to divide this graph into two parts: from the 10-11 season to the 16-17 season, and from the 17-18 season to the 22-23 season.

From 10-11 to 16-17, she reached the podium a total of 44 times.

From 17-18 to 22-23, she reached the podium a total of 94 times.

This shows an improvement in her career by a difference of 50, indicating a significant improvement in the second part of her career.

If we compare the two graphs, we can analyze that the number of victories almost doubled. This clearly indicates that she improved exponentially in the latter part of her career.

OBSERVATION: HOW MANY RACES SHE COMPETED IN THE TWO SEASONS TO SEE IF SHE COMPETED MORE RACES AND HAD MORE VICTORIES 🡪 105 races in the first part 🡪 144 races in the second part

**2° Graphs:**

In this graph, we can see how many times she finished in 1st, 2nd, or 3rd place each year.

It is noticeable that from the 15-16 season, MS had an escalation in her results. You might wonder why she had such a significant drop in the 19-20 season. This is mainly due to her injury and the passing of her father (February 2, 2020).

### **3° Question**

**1° Graph:**

This graph analyzes the average score (across all disciplines) for each year, the total points, and the number of races.

Analyzing the graph, we can see that in the 18-19 season, she had the highest average score, which is due to the fact that, as we saw in the previous graph, she had the highest number of victories (17). However, when looking at the total points, things change a bit. The 22-23 season has the highest number of points, even though she won 17 times in the 18-19 season. Upon closer examination of the dataset, I noticed that MS competed in 31 races in the 22-23 season (the most races she has ever competed in a single season), while in the 18-19 season, she competed in 26 races.

**2° Graphs:**

With this graph, we can understand if she improved each year.

The graph perfectly shows that the trend of seasonal averages is increasing. Therefore, she has improved almost consistently.

It is noticeable that from 2015 to 2019, the average score decreased, then slightly increased, decreased a bit more, and then suddenly increased. This trend can also be seen from the 2021 to 2023 season, and it can be predicted that in the next season (23-24), she will have an excellent performance.

However, all of this needs to be put into context because there are many other factors that can determine a good or bad season. Even a minor injury to the athlete can change things.

### **4° Question**

This graph shows her favorite tracks.

From the graph, it can be immediately seen that Courchevel and Semmering are the tracks where MS has achieved the most victories.

However, if we look at the ratio of races competed to victories, Semmering has the best ratio, with 7 wins out of 11 races, which is approximately 0.63. On the other hand, Are has the worst ratio with 6 wins out of 18 races, which is 0.3.

**Map**:

Here, I wanted to represent the previous graph on a map to visualize where she has had the most success.It can be observed that MS has dominated all over the world.

### **Conclusion**

In conclusion, we can summarize that MS excels in slalom, as seen in the initial graphs.

Out of 249 races, she has reached the podium 138 times, with 88 of them being victories.

There have been improvements in almost every season, but as we have seen, the trend of seasonal averages is incrementally increasing.

We have also learned that when she goes to Austria, specifically to Semmering, her opponents can only dream of second place because the first place is already occupied by MS.

Mikaela Shiffrin is the greatest skier of all time, rewriting the history of alpine skiing. She has shown that limits do not exist for her. She will remain a legend in sports forever.