

# Ski Resort Analysis



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A dynamic photograph of a skier in mid-turn on a snowy mountain slope. The skier is wearing a bright yellow jacket, blue pants, and a white helmet with goggles. A large blue backpack is strapped to their back. The background features majestic snow-capped mountains under a sky filled with dramatic, colorful clouds at sunset or sunrise.

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# Analysis Ski Resort 2022

- WHICH COUNTRIES HAVE THE MOST SKI RESORTS? ARE THERE ANY GROUPS THAT STAND OUT?
- HOW DOES THE SKI SEASON VARY BY LOCATION?
- WHICH RESORTS HAVE THE HIGHEST MOUNTAIN PEAKS AND ELEVATION CHANGES?
- WHAT RESORTS ARE BEST FOR BEGINNERS? WHAT ABOUT THE EXPERTS?
- SKI RESORTS THAT ARE FRIENDLY TO KIDS
- SKI RESORTS SUITABLE FOR FAMILY VACATIONS

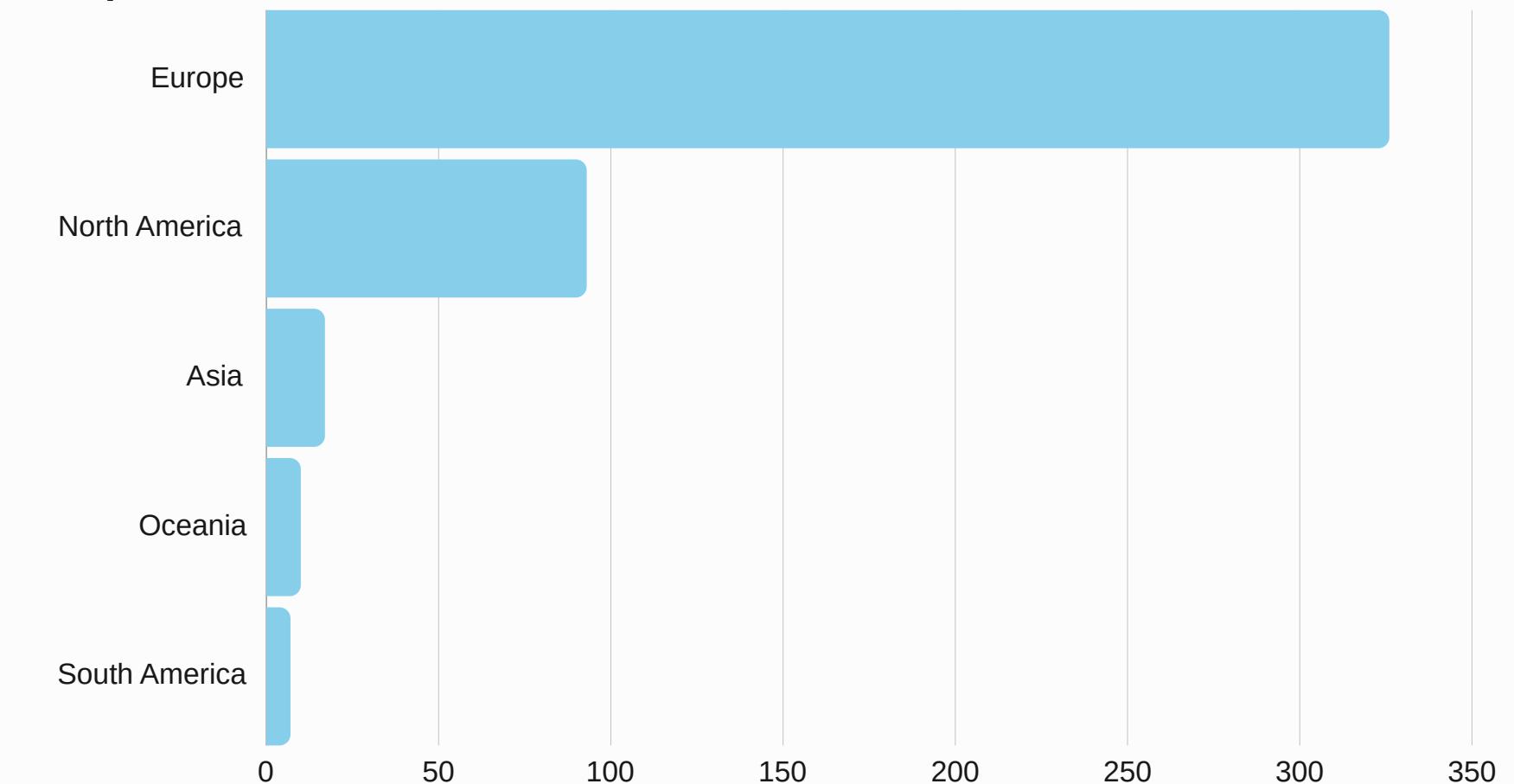
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## Countries with the most popular Ski Resort

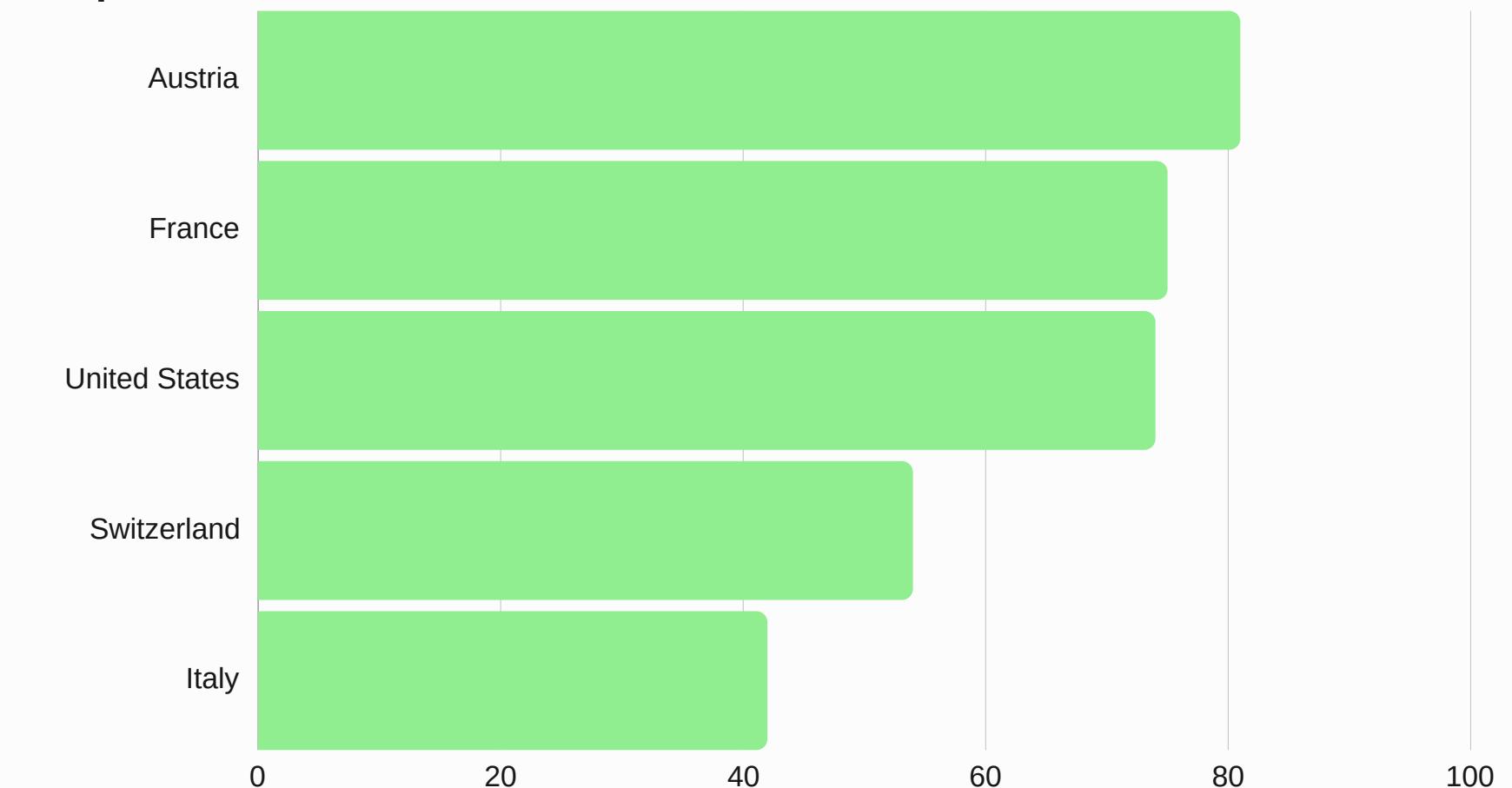
Based on the query using the COUNT and GROUP BY functions and the visualization results generated above. Austria, France, and America are the countries that have the most snow sports or surfing ski resorts in the world. This is evidenced in the visualization of the largest number of ski tours or resorts on the continents of Europe and North America, because these continents do have 4 seasons and a lot of public appreciation in participating in snow sports.



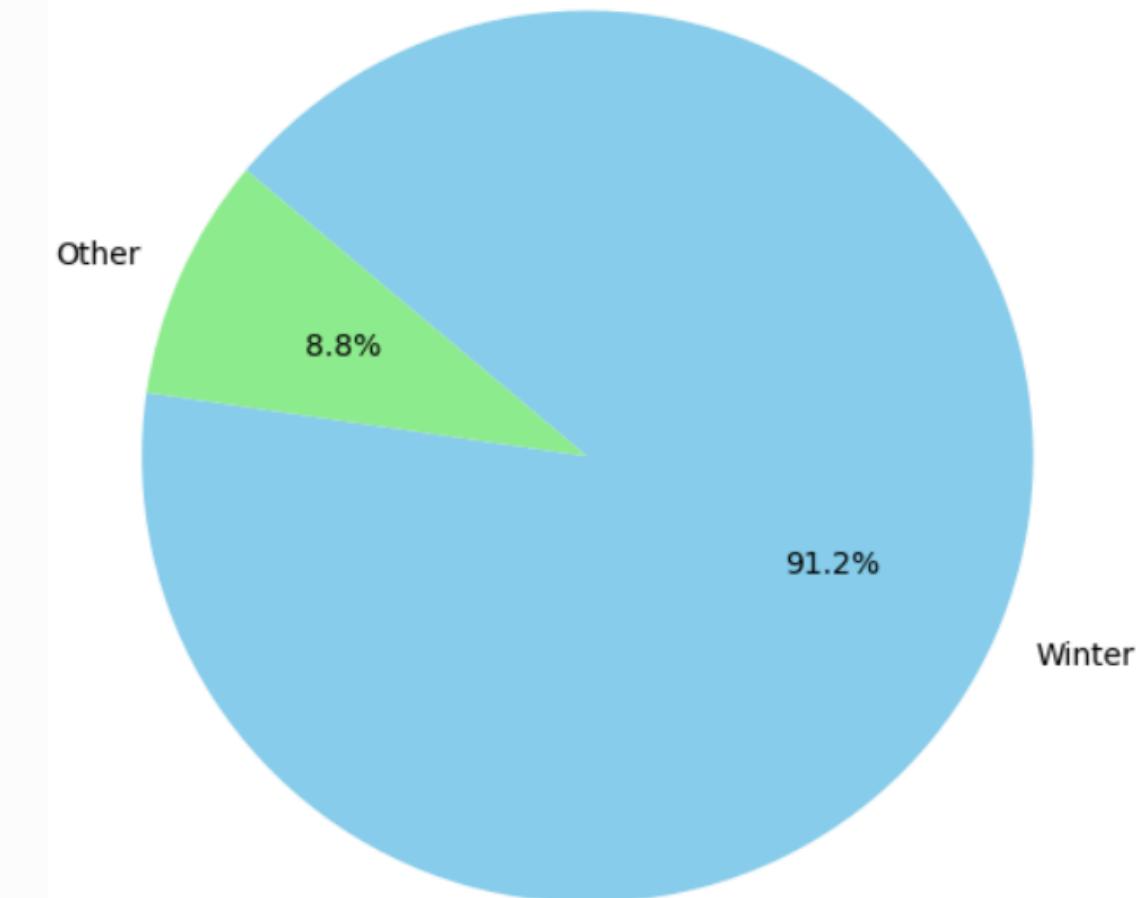
Top 5 Continents with the most resorts



Top 5 Countries with the most resorts



Season Percentage by Number of Resorts

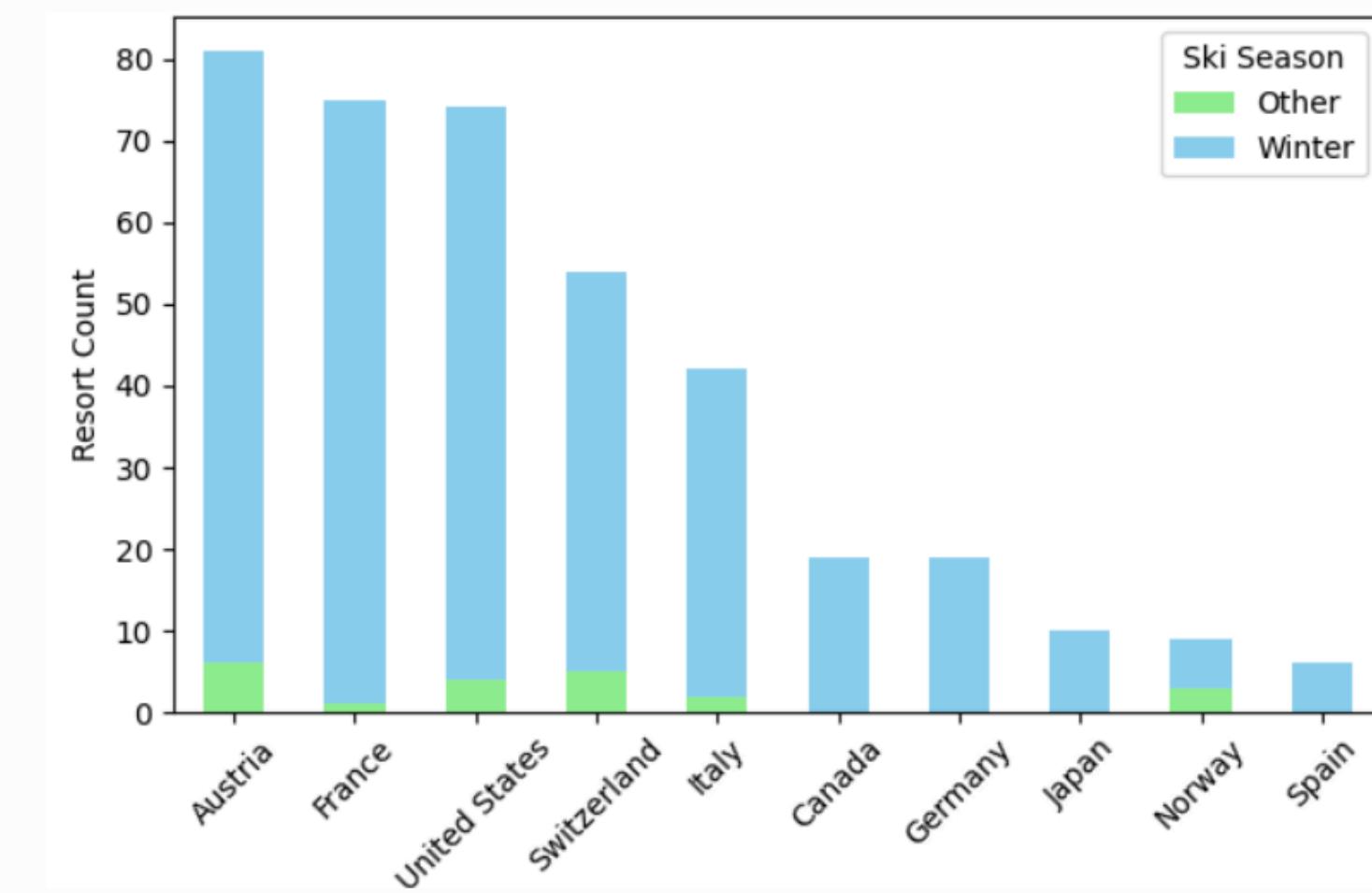


# Snow Season?

Based on the query by applying sub queries and case when, I can create analysis and visualization results on how the seasonality of Skiing sports in several locations. As shown in the pie chart, almost 91.2% of the skiing events are held during the Winter season or snow season. The rest of the time it is held when the new snow season is coming and just finished.

In addition, Austria, France, and America are the countries that carry out the most skiing sports in the snow season. While the countries of Spain, Norway, and Japan are the countries with the least ski resorts in which may be due to the distribution of the location of ski resorts is indeed a little.

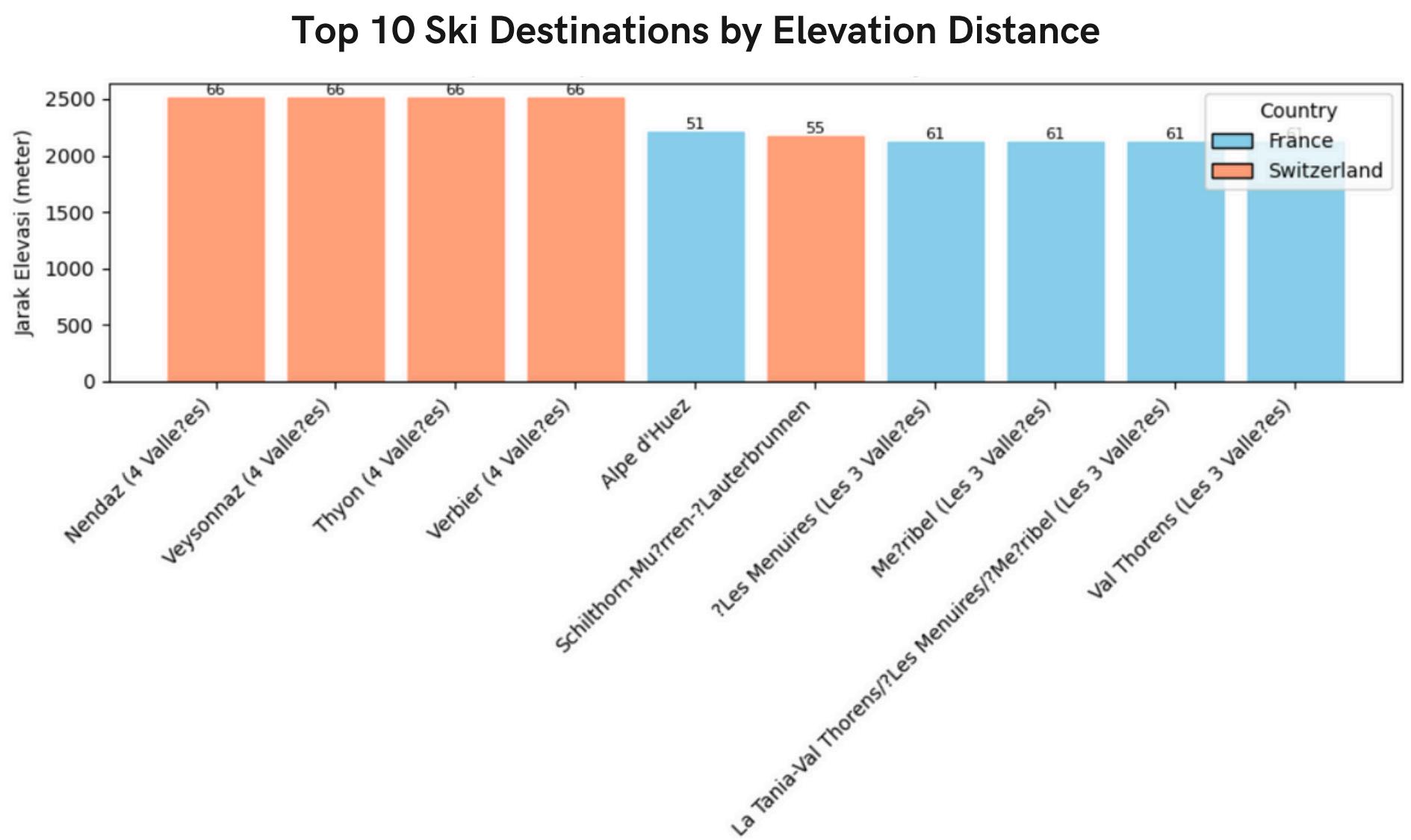
Top 10 Countries by Weather Suitable for Skiing



# THE MOST SPACIOUS SKI RESORT AREA

By selecting several features to find which ski resort has the highest tourist attractions and also the elevation distance which is the difference between the highest and lowest location of a resort.

So it is known that the location of the resort based on the elevation distance at the Nendaz, Veysonnaz, Thyon, and Verbier resorts has the largest elevation distance of about 2.5 Kilometers. This means that the four resorts have a large enough area in their snow sports activities. In addition, all four resorts are priced at \$66.

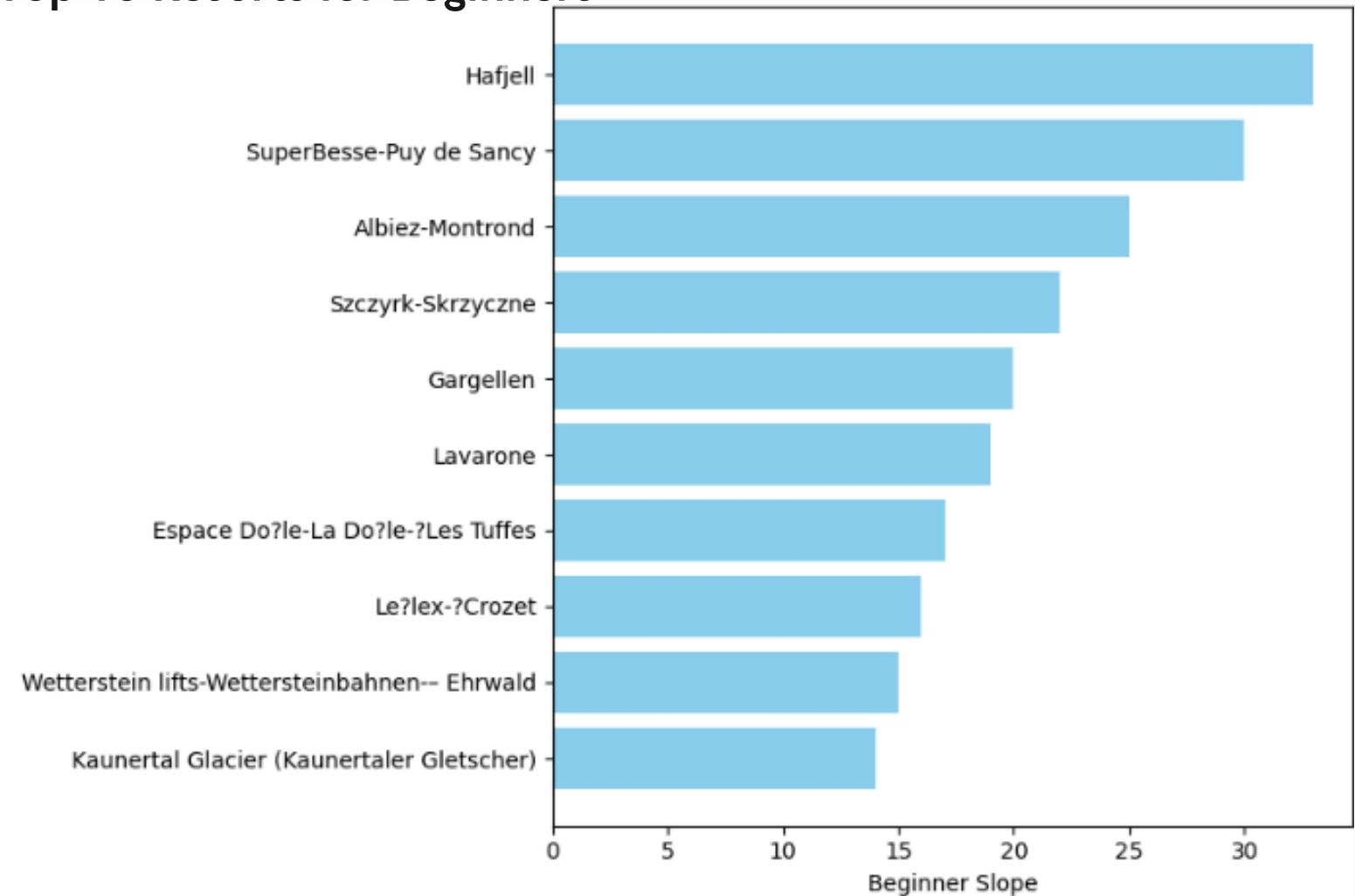


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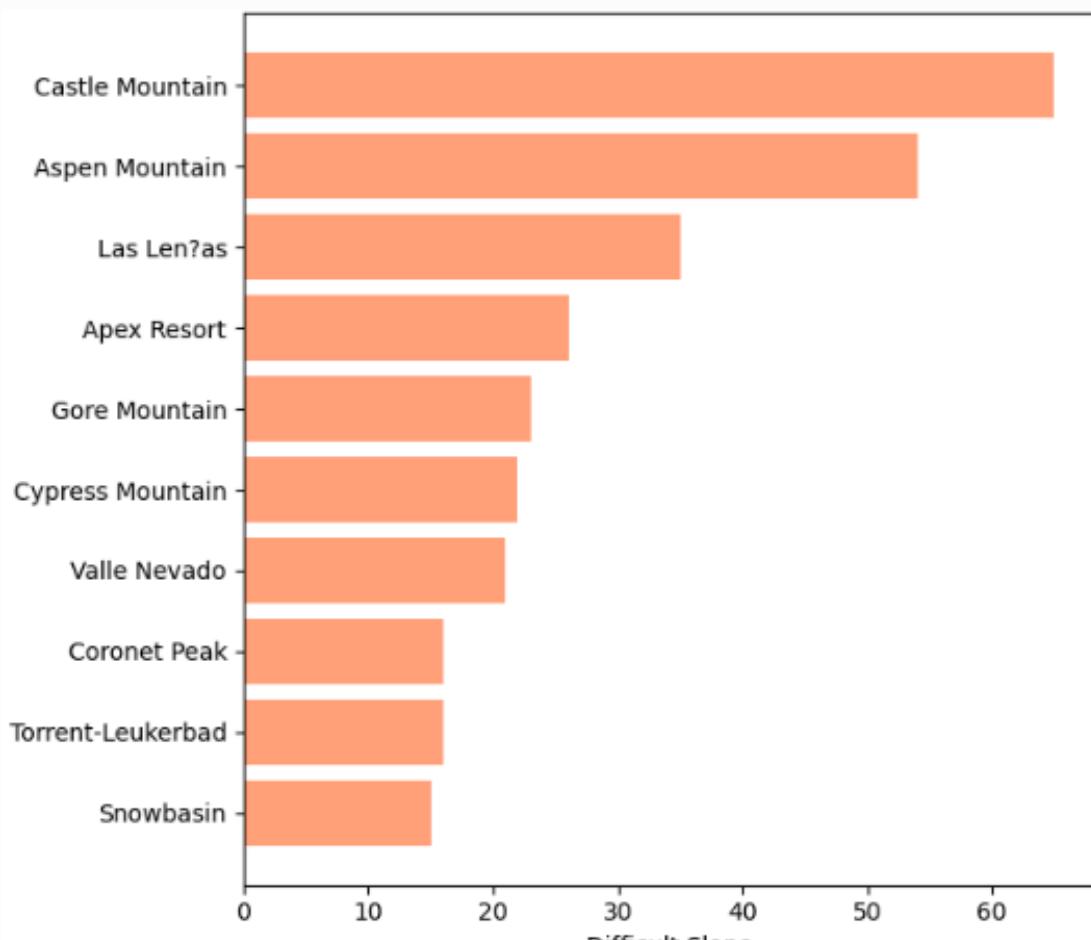
## Resort for Beginners & Experts

To find which resorts are most suitable for beginners and experts against the data from the 'resorts' table is to call the data as usual. Then determine some conditions for resorts that are suitable for beginners, namely that they must have a lot of beginner trails. Meanwhile, to determine a resort that is suitable for advanced people, it must have quite a lot of difficult tracks. Where Hafjell resort is the most suitable resort for beginners and Castle Mountain resort is suitable for experts.

Top 10 Resorts for Beginners



Top 10 Resorts for Experts



# Kid-friendly Ski Resorts

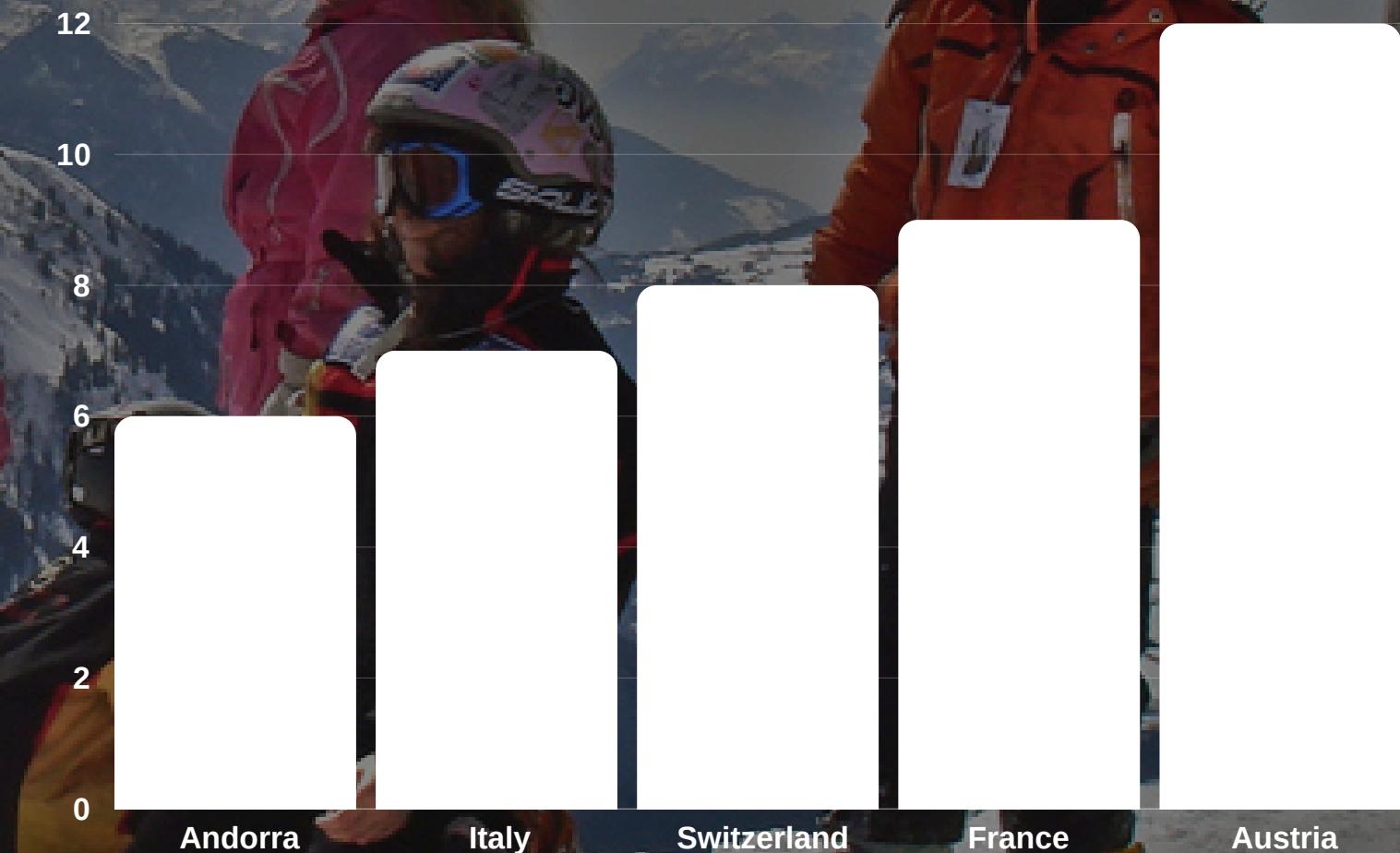
To find a resort that is perfect for children, the best data is used from the number of beginner trails, the number of gondola rides, the number of lifts because the lifts will make it safe for children to climb, and how many snowmaking machines for play purposes.

It is known that France has the most beginner runs. Austria has the most snow gondola rides. The country of France has the most number of lifts. Also the country Andorra has the most number of snow making machines. So based on the analysis it can be determined that Austria and then France are the most friendly countries for children to participate in this snow sport.

**Top 5 Countries with the Most Number of Beginner Tracks**



**Top 5 Countries with the Most Gondola Lifts**

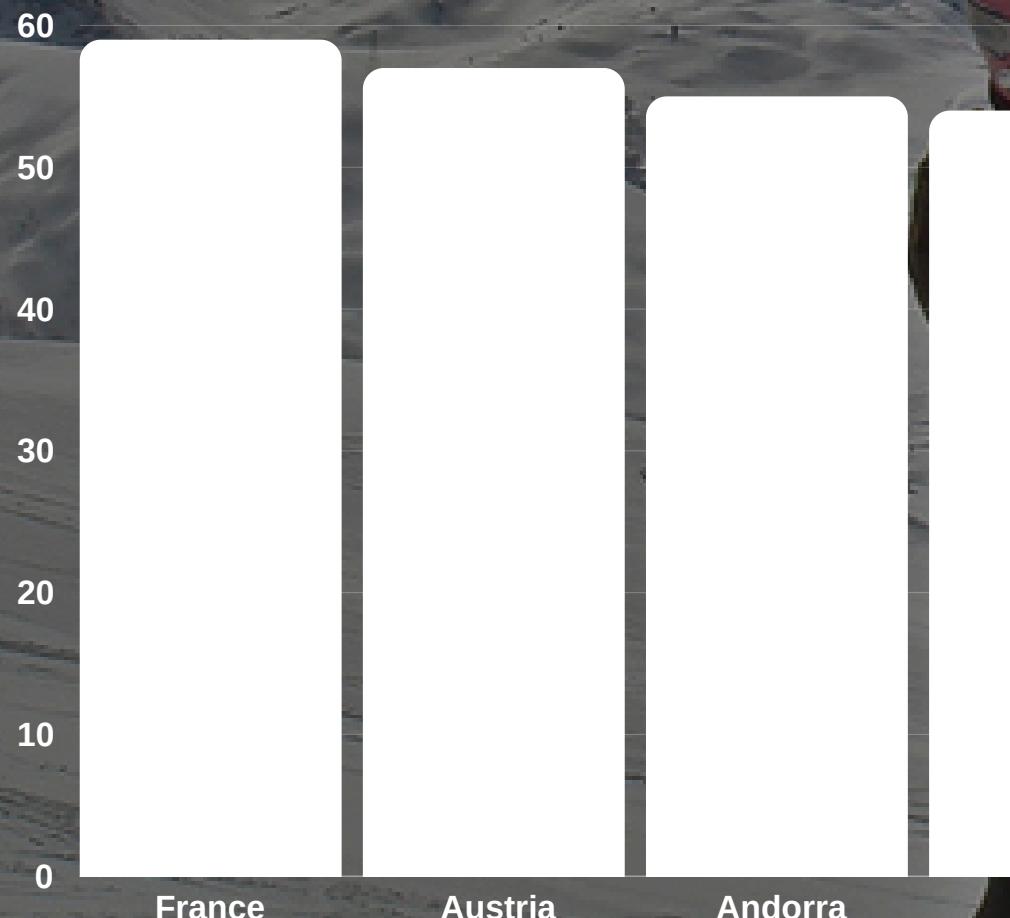


# Kid-friendly Ski Resorts

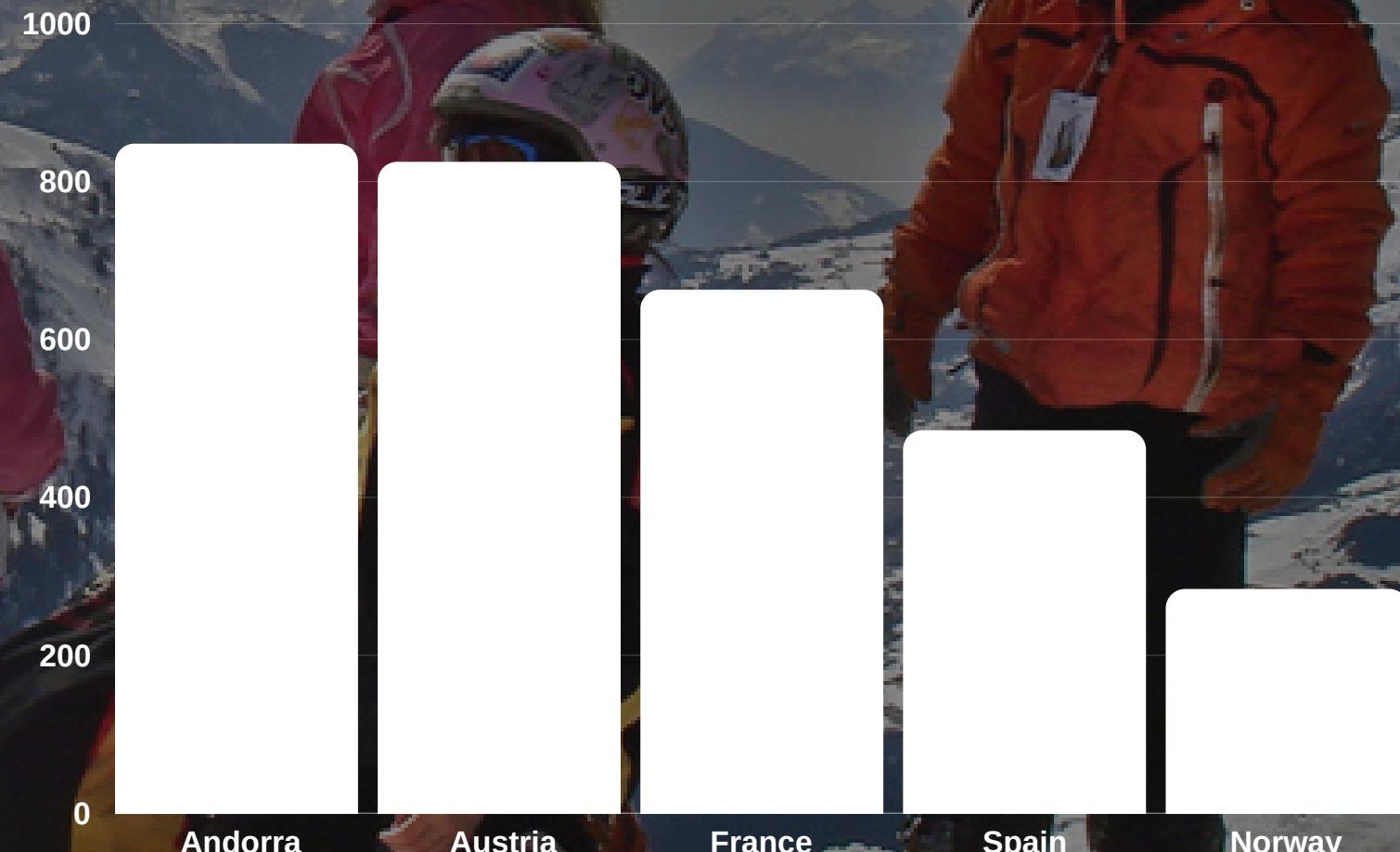
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Top 5 Countries with the Most Total Lifts



Top 5 Countries with the Most Snow Cannons

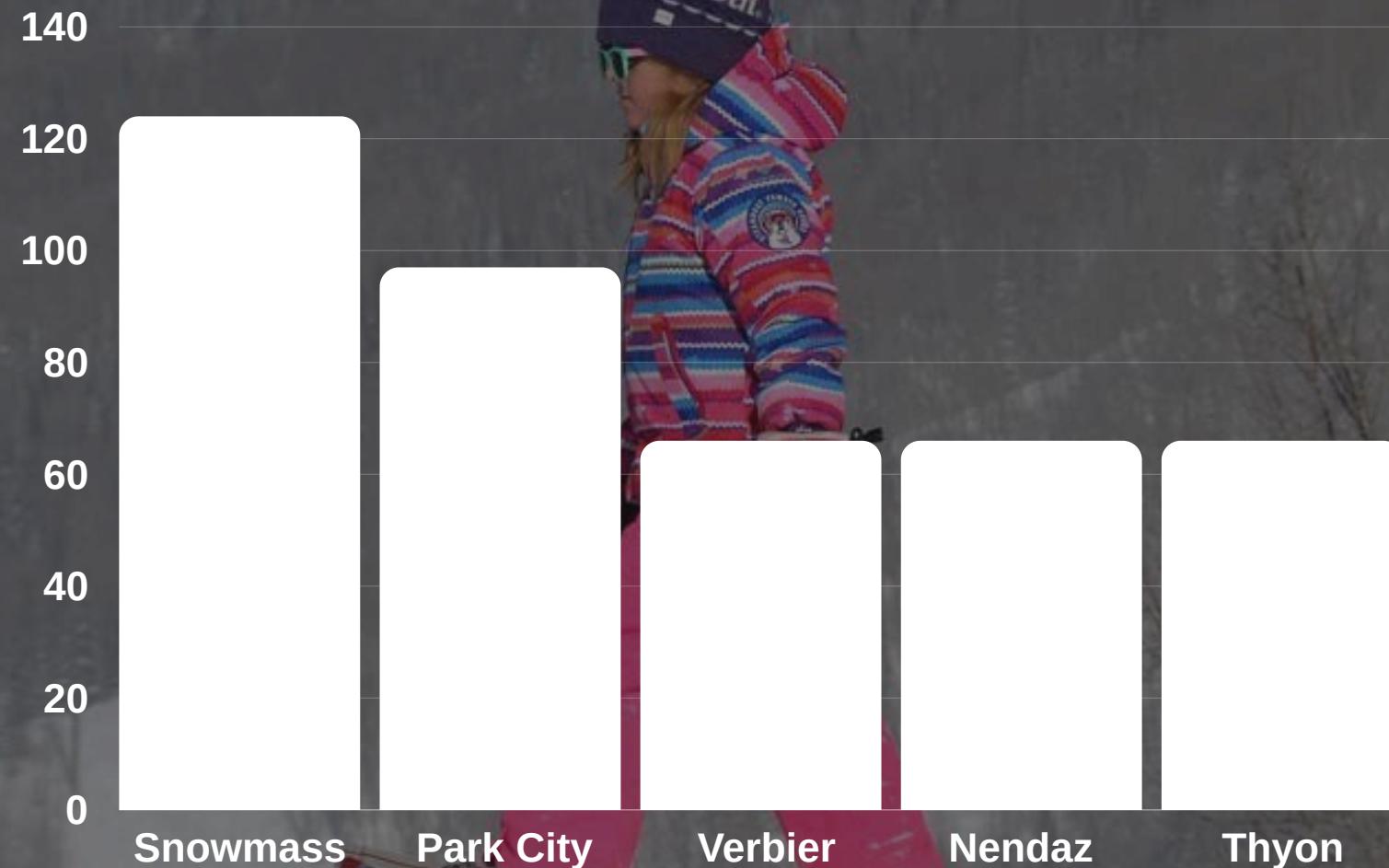


# Family-friendly Ski Resorts

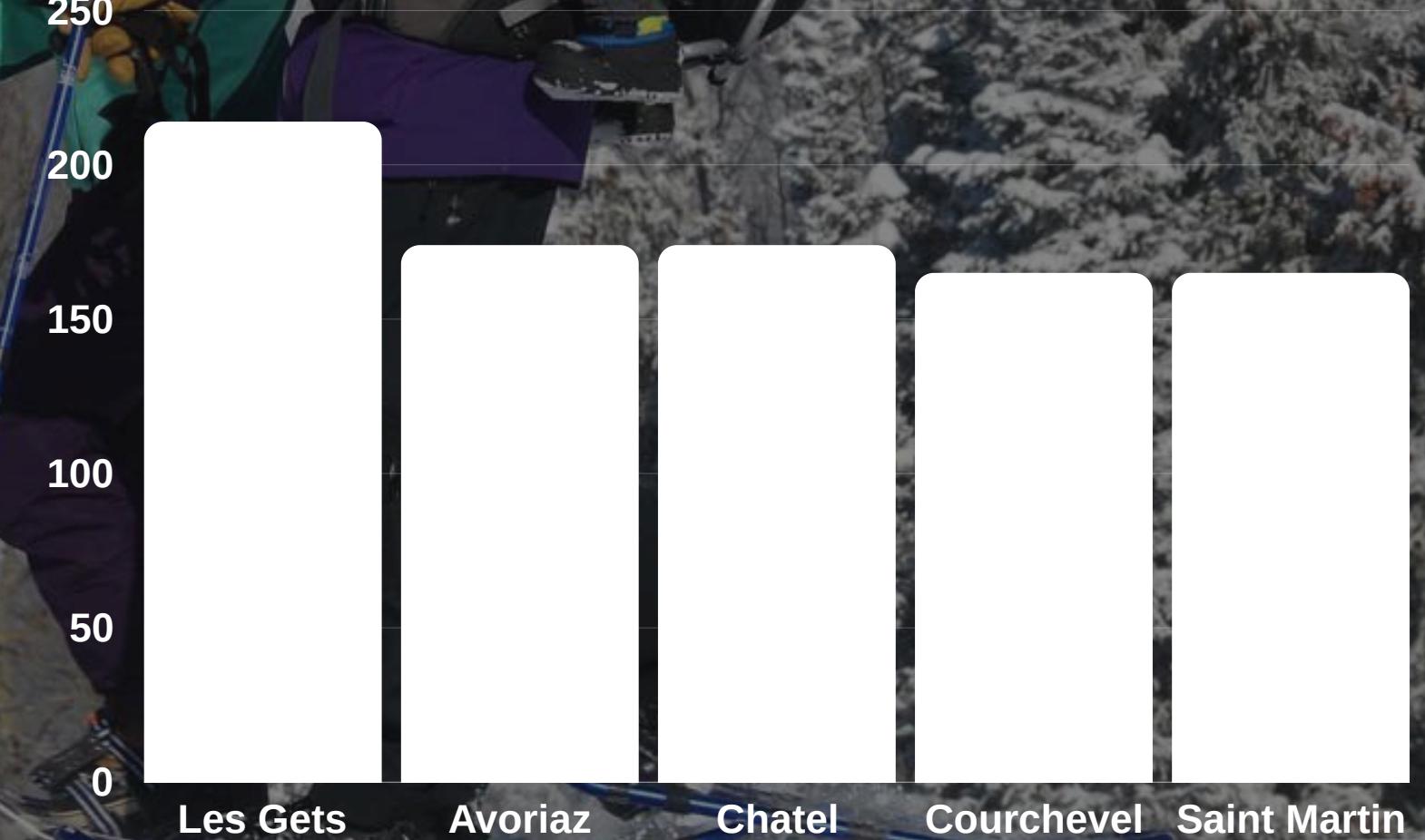
To determine the most suitable ski resort for a family vacation is to use vacation-related data such as child\_friendl, snowparks, nightskiing, and summer\_skiing data features. Based on the four features, child\_friendl must be 'Yes' or available for each resort. Then from the three features such as snowparks, nightskiing, and summer\_skiing it is required that at least 2 features are 'Yes' or must be available at a resort.

So based on the results of the analysis, it can be seen that the special vacation ski resort with the most expensive ticket prices is at a resort called Snowmass. Then for the Ski resort with the farthest track it is owned by 'Alpe d'Hue'. Where almost 50% of resorts in the world that are suitable for family vacations are in France.

**Top 5 Resorts with the Most Expensive Prices**



**Top 5 Resorts with the Most Number of Elevators/Lift**

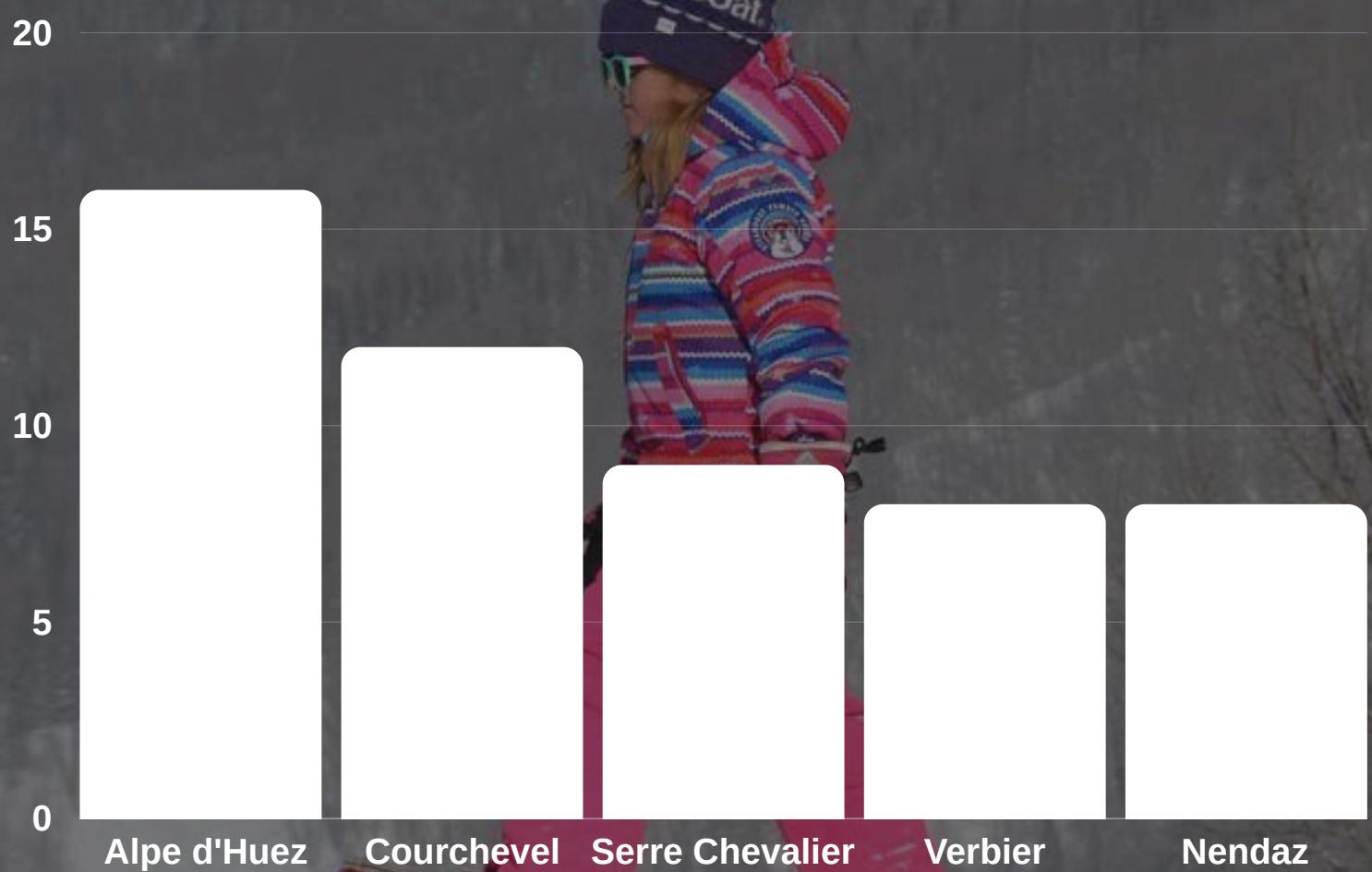


# Family-friendly Ski Resorts

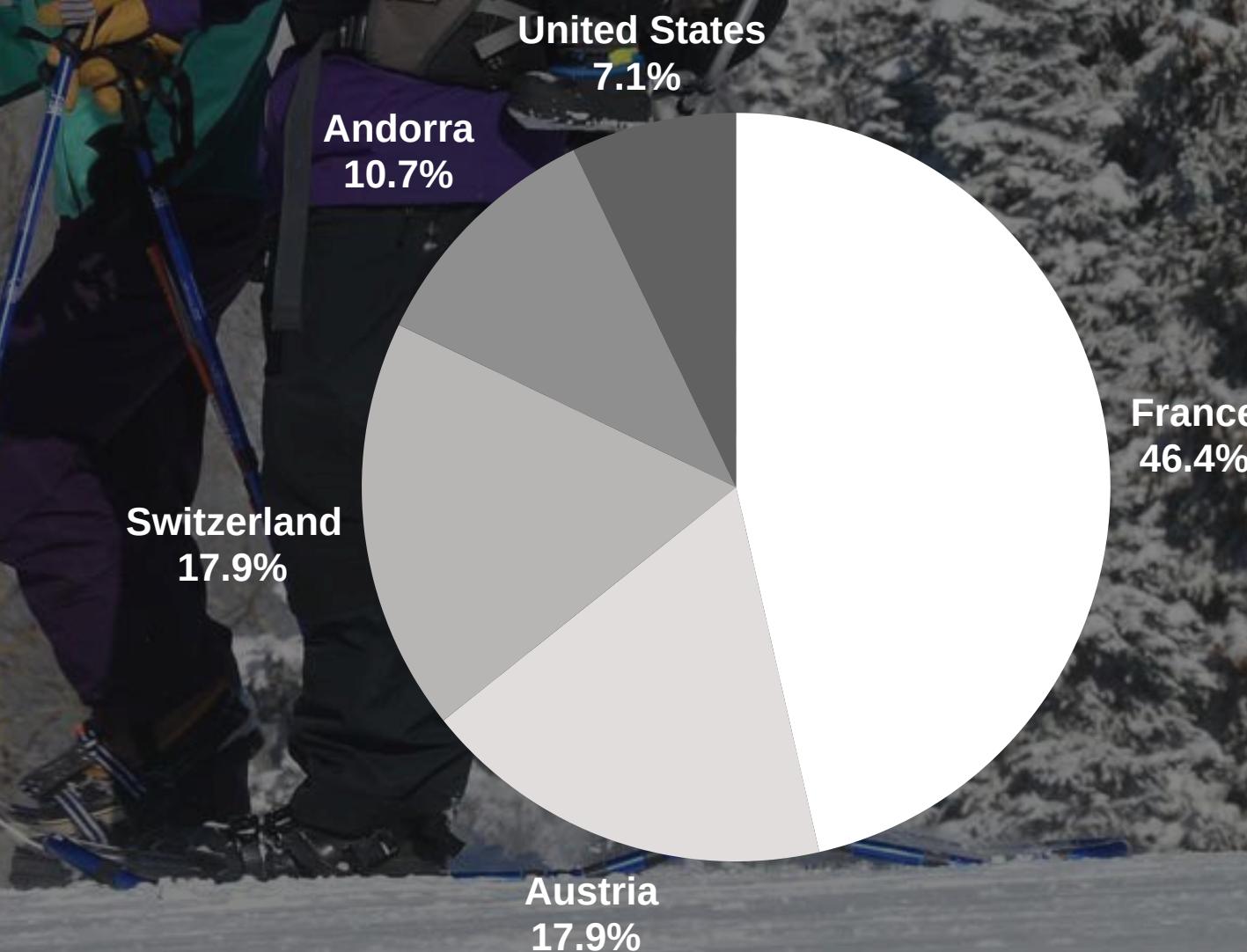
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**Top 5 Resorts with the Longest Tracks (km)**



**Percentage of Resorts in Each Country Suitable for Vacation**



# Conclusion

Based on the extensive analysis conducted, it is evident that Austria, France, and America emerge as leading destinations for ski enthusiasts, boasting a wealth of resorts and diverse offerings in snow sports. The winter season remains paramount for skiing activities, with over 90% of events occurring during this period, showcasing the sport's seasonal nature. Notably, resorts such as Nendaz, Veysonnaz, Thyon, and Verbier offer expansive terrain and elevation changes, providing varied skiing experiences for visitors. Hafjell and Castle Mountain stand out as preferred resorts for beginners and experts, respectively, with tailored trails to accommodate different skill levels. Austria and France are identified as family-friendly destinations, providing essential amenities for family-oriented vacations, while Snowmass and Alpe d'Hue emerge as top choices, offering premium amenities and extensive options for family holidays. In summary, these findings underscore the diverse offerings and unique characteristics of ski resorts worldwide, catering to various preferences and providing valuable insights for travelers seeking memorable winter experiences.