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WYLDATA

OVERVIEW
Canada Skateboarding Ranking Docs
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To:
Canada Skateboarding affiliates

Canada Skateboarding Ranking Docs

Since the Fall 2024, we (Wyldata) have the pleasure to host the Canada Skateboarding Ranking. This document briefly describes its inner workings.

General Ranking Logic

The ranking lists the top Canadian athletes per discipline (Park, Street and Vert) and gender by their best three results during the past year (365 days from the ranking calculation date). The ranking points for a competition and rank is determined by the quality of field and the field size.
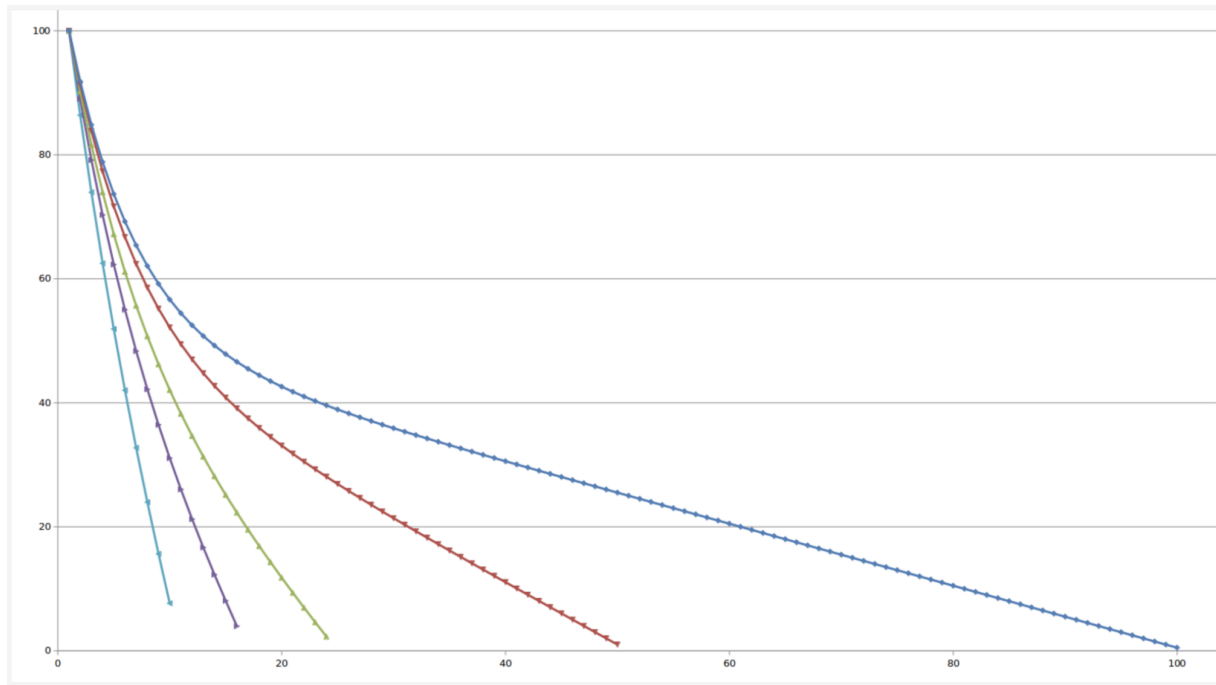
The quality is calculated by the average Global Skate Ranking rank of the current (date of competition) top eight (men) or top five (women) athletes that are on the final competition result. Athletes who have just entered the system and have not been ranked previously count with a default rank of 121 towards this calculation. For example, if the eight top ranked men are participating in a competition, the r value would be $(1+2+3+4+5+6+7+8)/8 = 4.5$. The points level is then set by the following r value thresholds. A competition with r value 4.5 would get 1000 points and a competition with r value 17 would get 700 points for first place. If the competition only would contain one ranked athlete, lets say we have the top ranked athlete compete in a new amateur competition, the r value would be $(1 + 7 * (121)) / 8 = 106$ and thus the points level would be 200. So a top ranked athlete cannot excessively influence the points level with his presence alone.

r value	6	9.3	16	25	40	60	80	100	120	120+
points level	1000	900	800	700	600	500	400	300	200	100

The points are further distributed for each rank by a decreasing points curve which depends on the field size. Scoring a third place in a competition with 30 competitors should be worth more than scoring a third place in a competition with eight competitors. Thus the points per rank drop faster for smaller competitions.

Points distribution curve example for max 100 points (x: rank, y: points),
Num competitors: Bright Blue 10, Violet: 15, Green: 25, Red: 50, Blue: 100

The points per rank are calculated with a formula based on the number of competitors, constants and further variables. The exact formula is available upon request.

As a sidenote, the Global Skate Ranking was started during the summer 2024. To bootstrap the initial ranking, the World Skate Ranking was used as a reference to determine the competition ranking points for the first year. As there was no previous Skateboarding Ranking for the Vert discipline, we started this from scratch without any previous ranking reference. Thus the first few competition results might not be a very good representation of the true quality of athletes and the competitions they take part in until we have had enough competitions run through the system.

Update Intervalls

The ranking updates on the first day of every month. That's when a potential new ordering of athletes and ranking points assignments for new competition results become available.