

5.2 Summary of the continual learning results

Table 8: The summary of the continual learning approach

Results for continual learning on one class			
Method	Best result, iteration	AP50	Notes
Single class training	6999	56.10 %	Given the <u>images</u> for the class Model 21 → predict Model 21.
Training from scratch	26999	59.97 %	Given the <u>images</u> for the classes Model 1..Model 30 → predict Model 21.
Continual learning	19999 (6000*)	36.18 %	Given the <u>weights</u> for the classes Model 1..Model 20 → predict Model 21 (continuously).
Average results for continual learning on 5 classes 21-25.			
Single class training	5999	63.97 %	Given the <u>images</u> for the classes Model 21..Model 25 → predict Model 21..Model 25. The average results for the separate classes are combined.
Training from scratch	19999	69.66 %	Given the <u>images</u> for the class Model 1..Model 30 → predict Model 21..Model 25. Results filtered and the average value among the classes Model 21..Model 25 is collected.
Continual learning	16999 (6000*)	43.87 %	Given the <u>weights</u> for the classes Model 1..Model 20 → predict Model 21..Model 25 (continuously).

Note: 95 % of the AP50 value marked by * is achieved within about 6000 iterations.