Lifelong Learners Single Task Learners 0.26 **5** 0.4 0.189 0.4 Backward LE 当 0.18 Resource Growing std 0.3) Stq 0.0 Porward 0.0 0.0 0.1 SynN 0.0 uracy[.. ProgNN 6 -0.11 DF-CNN **EWC** -0.22 Ö 0.1 Total Replay -0.22 Partial Replay 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 Number of tasks seen Number of tasks seen Number of tasks seen chance Number of tasks seen Constrained log FLE hed log BLE 0.1 0.4 0.4 <u>></u> 0.4 0.1 curacy[± std o o o o std 6.0 0.0 onstrair uracy[± 0.0 Resource Constrained <u>0</u> -0.16 9 -0.11 D - SynF O 7 O.1 LwF O-EWC 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 Number of tasks seen Number of tasks seen Number of tasks seen Number of tasks seen — A-GEM \longrightarrow TAG Recruitment Experiment on Task 10 None ---- chance <u>0.75</u> ization 9.0 after -0.1 山 -0.2-SynF (building) o.55 UF (new) <u>6</u> –0.3 recruiting 0.45 100 5000 500 Number of Task 10 Samples