Heatmap: BLiMP(syntax) layers Task_1 mean mean Task_2 mean mean mean 12 Task_3 mean mean mean Task 4 mean sum mean Task_5 cls cls mean Task_6 mean mean mean 10 Task_7 mean sum Task_8 cls mean cls Task_9 cls cls mean pooler Task_10 cls mean 8 Task_11 pooler cls mean Task_12 mean mean mean Task_13 cls cls mean Task_14 mean mean 6 Task_15 cls mean mean cls Task_16 cls mean Task_17 cls cls mean Task_18 cls cls mean 4 Task_19 cls cls mean Task_20 cls cls mean cls Task_21 mean mean Task_22 cls mean cls 2 Task_23 cls cls mean Task_24 cls mean sum Task_25 mean mean mean Task_26 cls cls mean 0 **BERT** GPT2 **SBERT**