constraint:
$g=0.9-(\min((FNR \mid [premenopause])/(FNR \mid [menopause]),(FNR \mid [menopause])/(FNR \mid [premenopause])))$
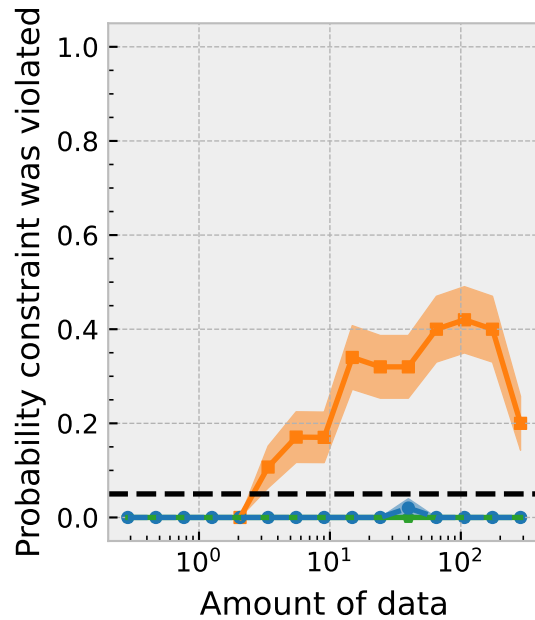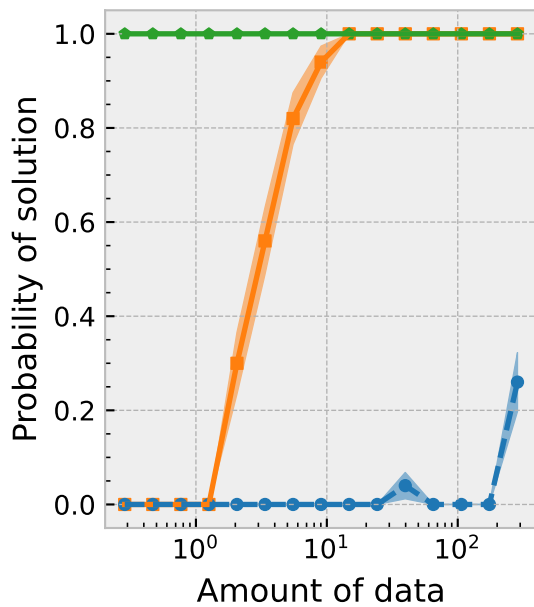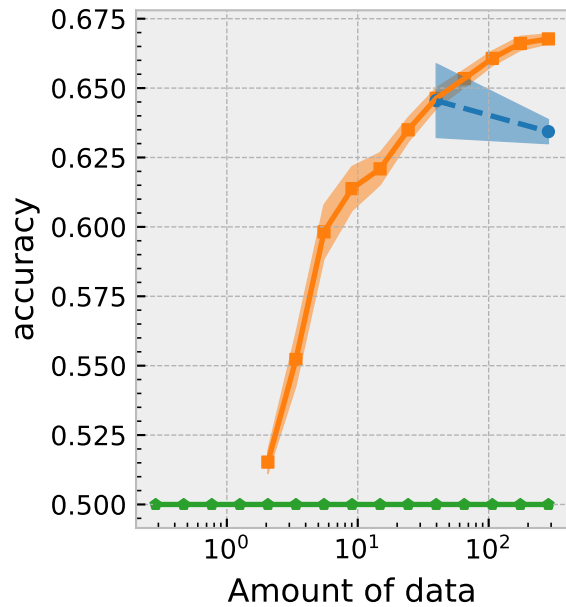
- - - qsa   —— random_classifier   —— logistic_regression