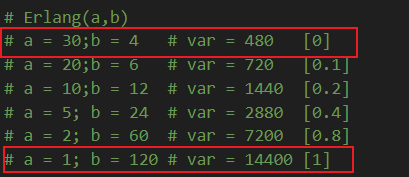
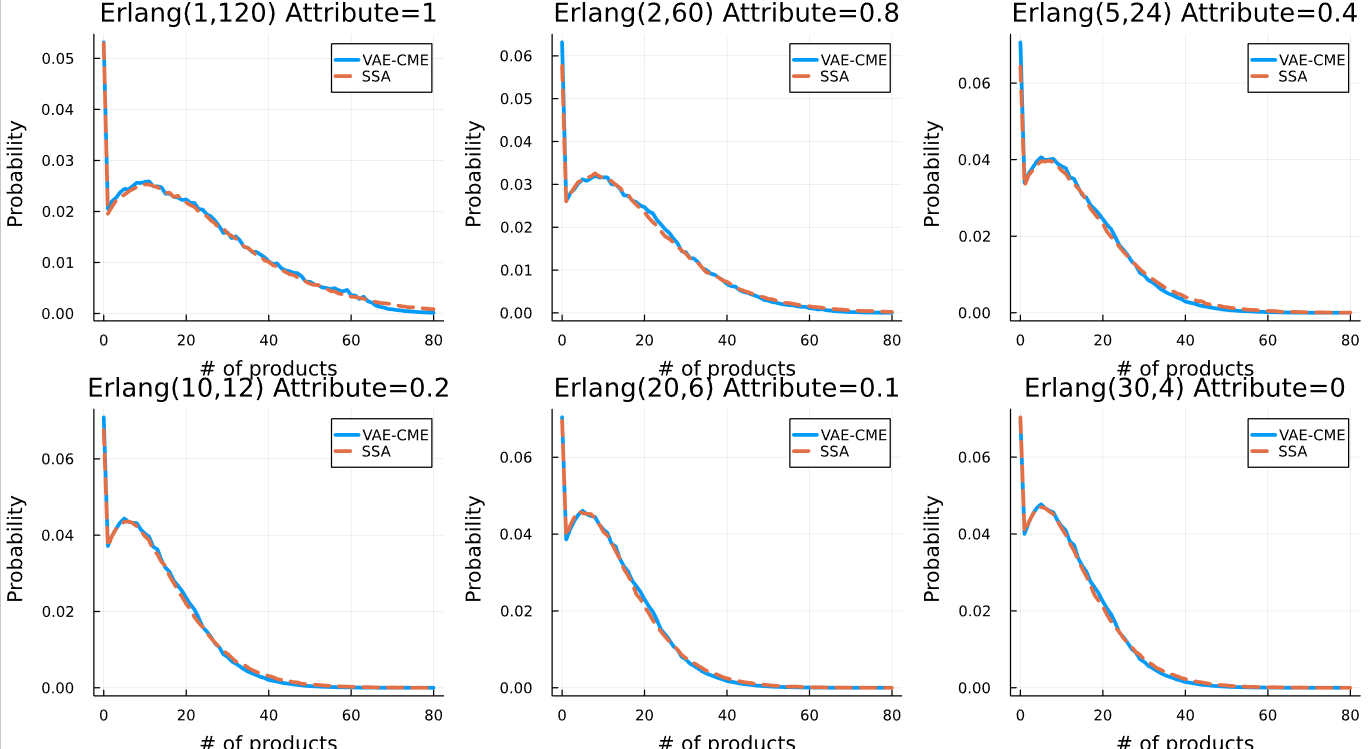


按照nc的取值

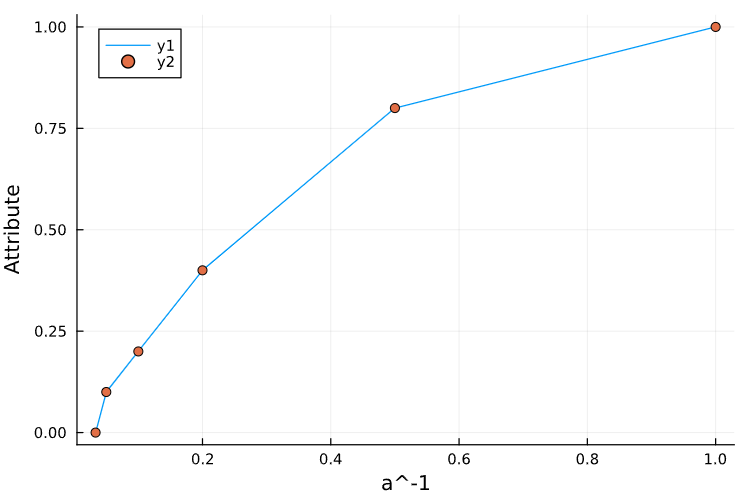
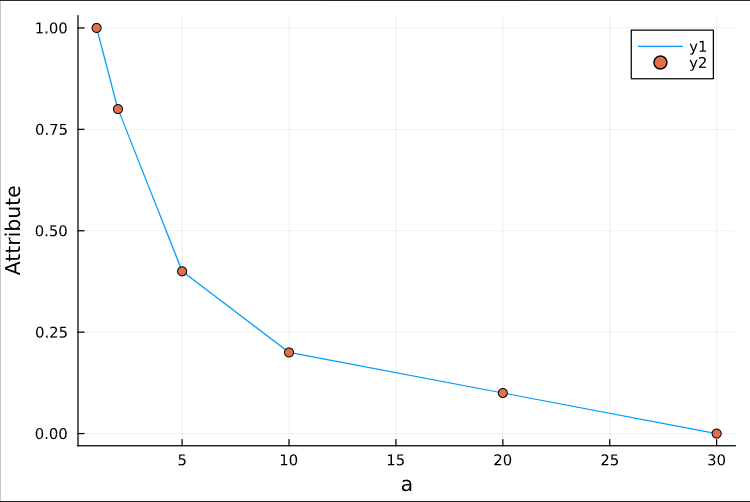
先用Erlang分布做实验，先确定Attribute的线性关系，\alpha = 0.0282，\beta = 3.46

a 最小取1，30往上的话SSA分布的差距就变得很小了

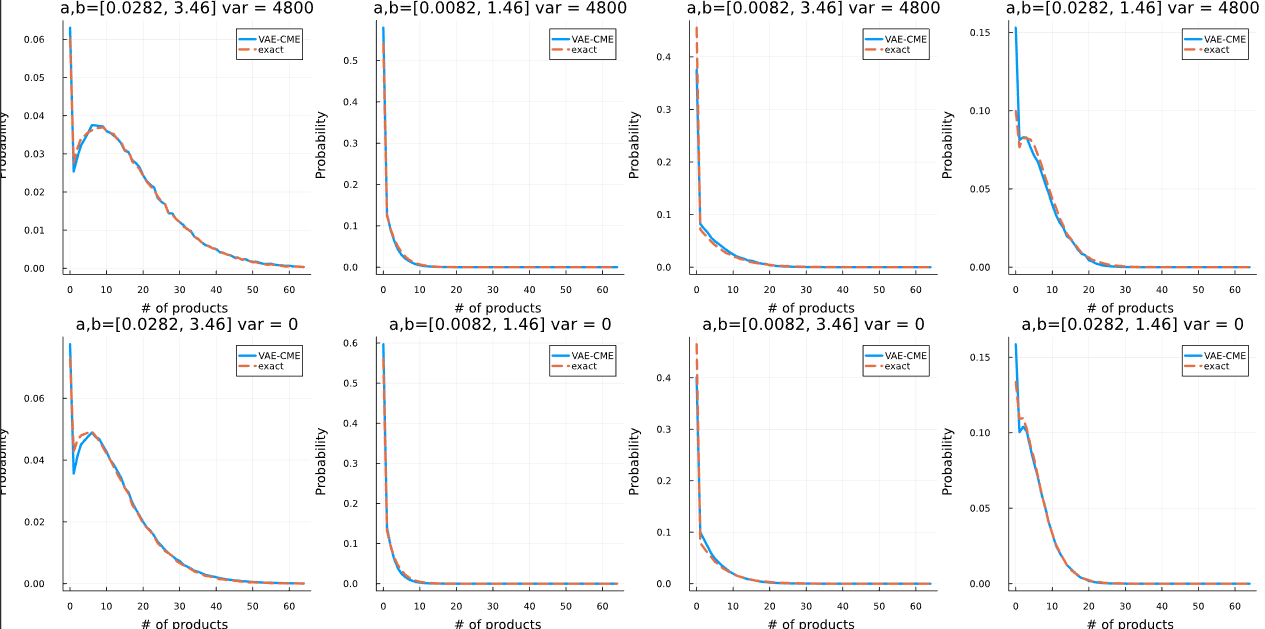




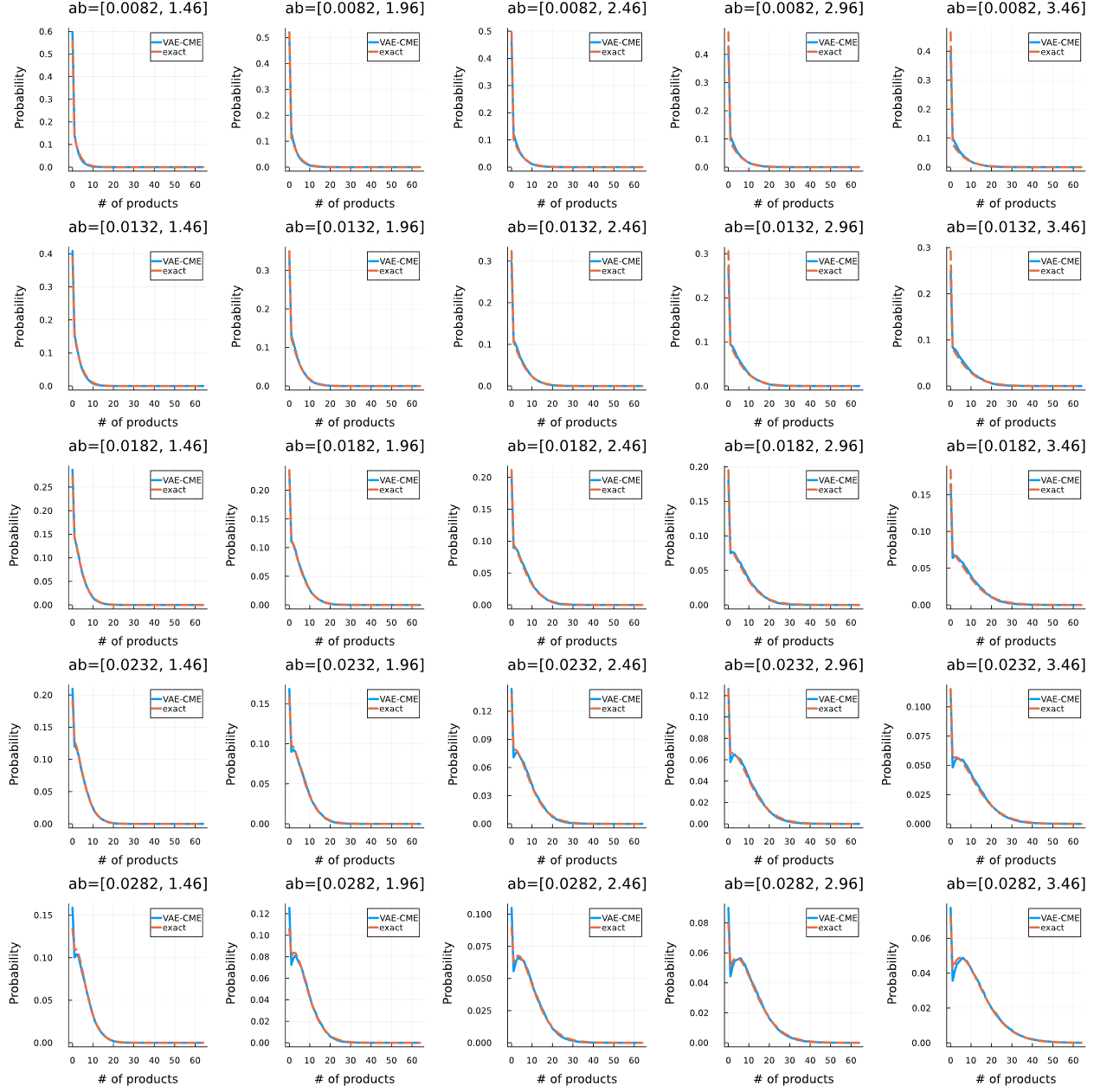
难以找出其线性关系诶

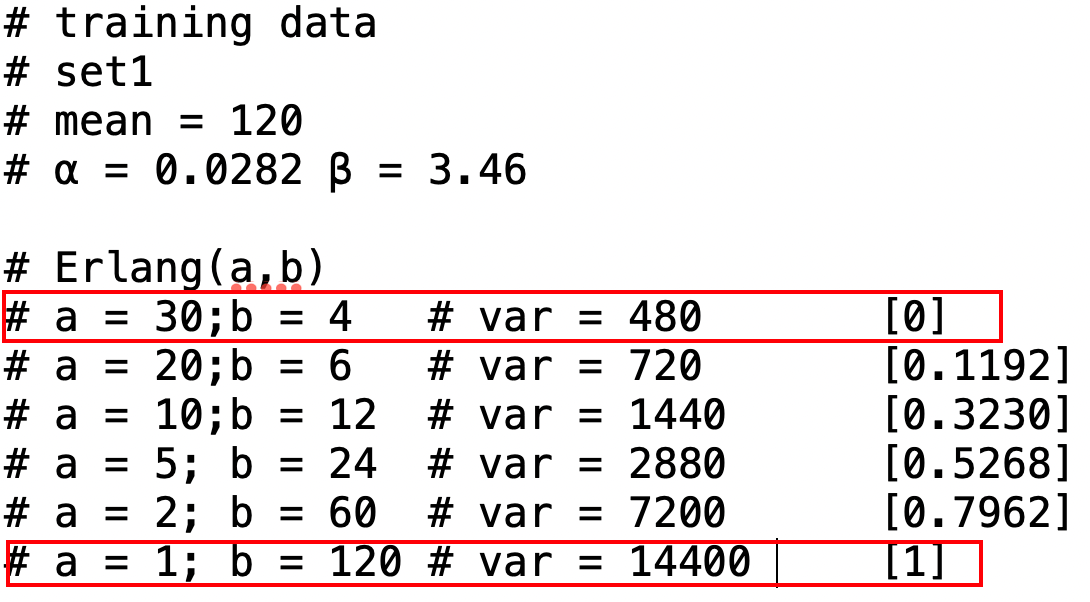


另外，增加数据的想法，似乎不太可行

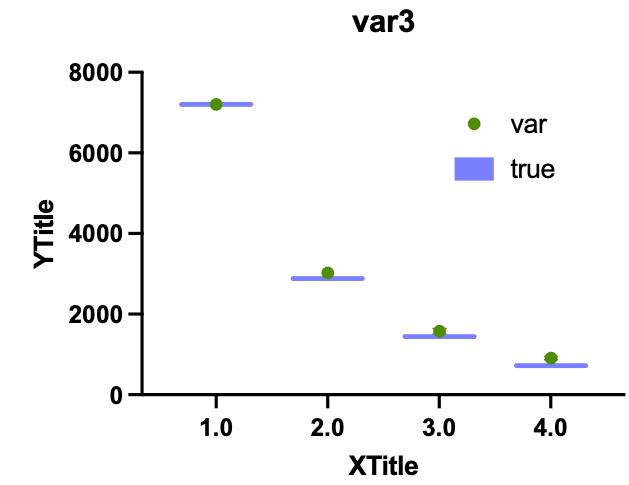


拟合效果不尽人意

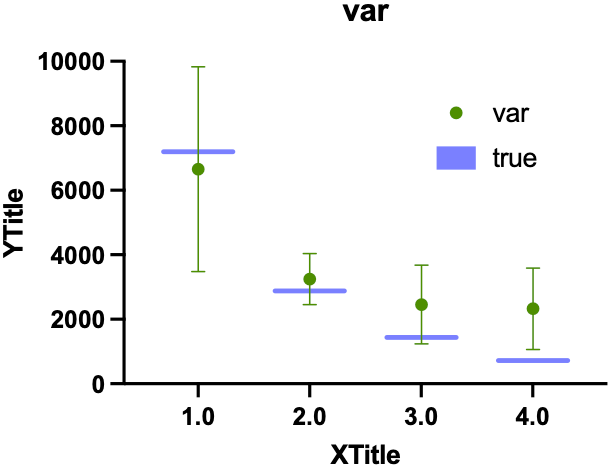
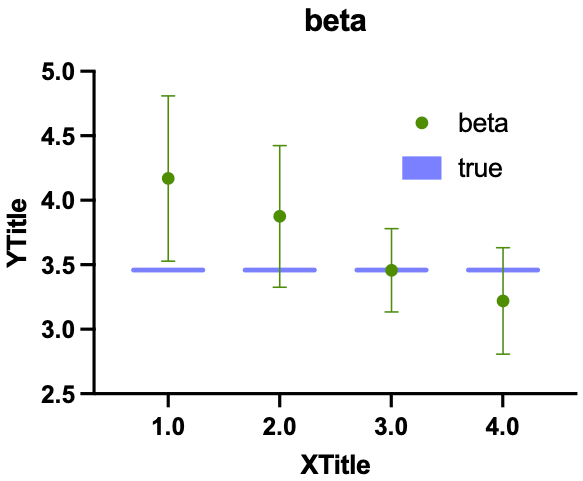
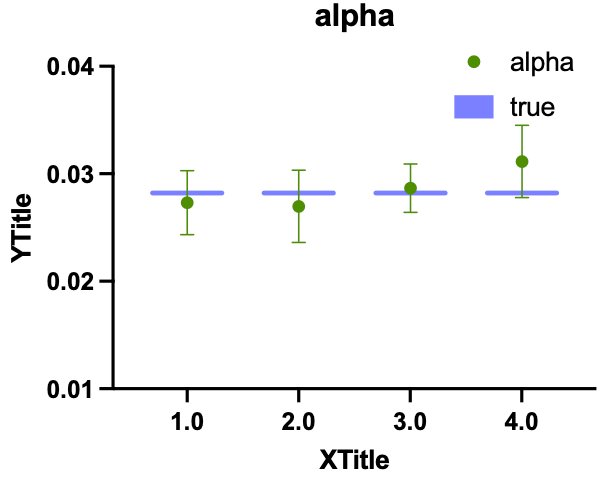




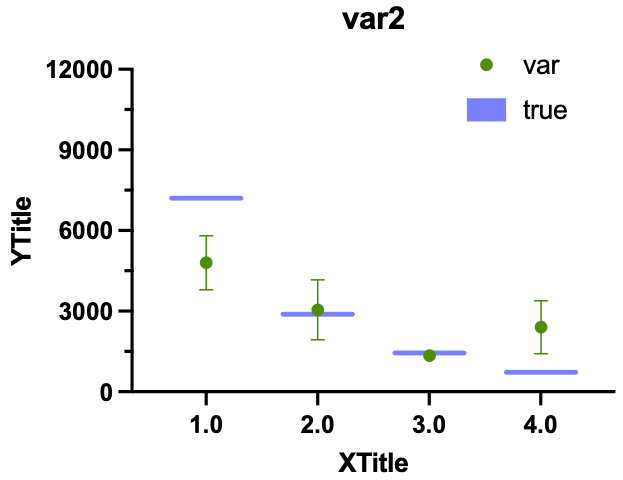
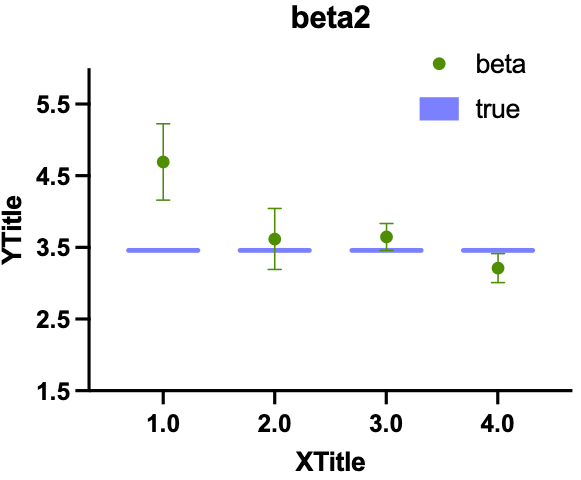
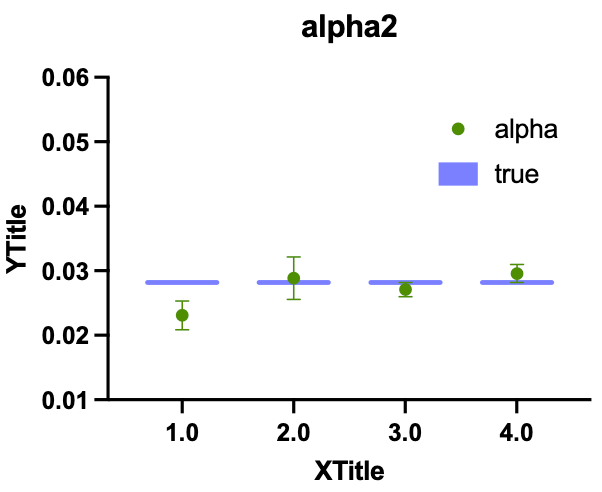
对alpha和beta为固定值的情况进行了Inference的测试，红色框框为训练集，中间4组为做Inference的数据，数据量是5000次SSA，在Inference中如果仅仅预测方差一个变量，效果还可以



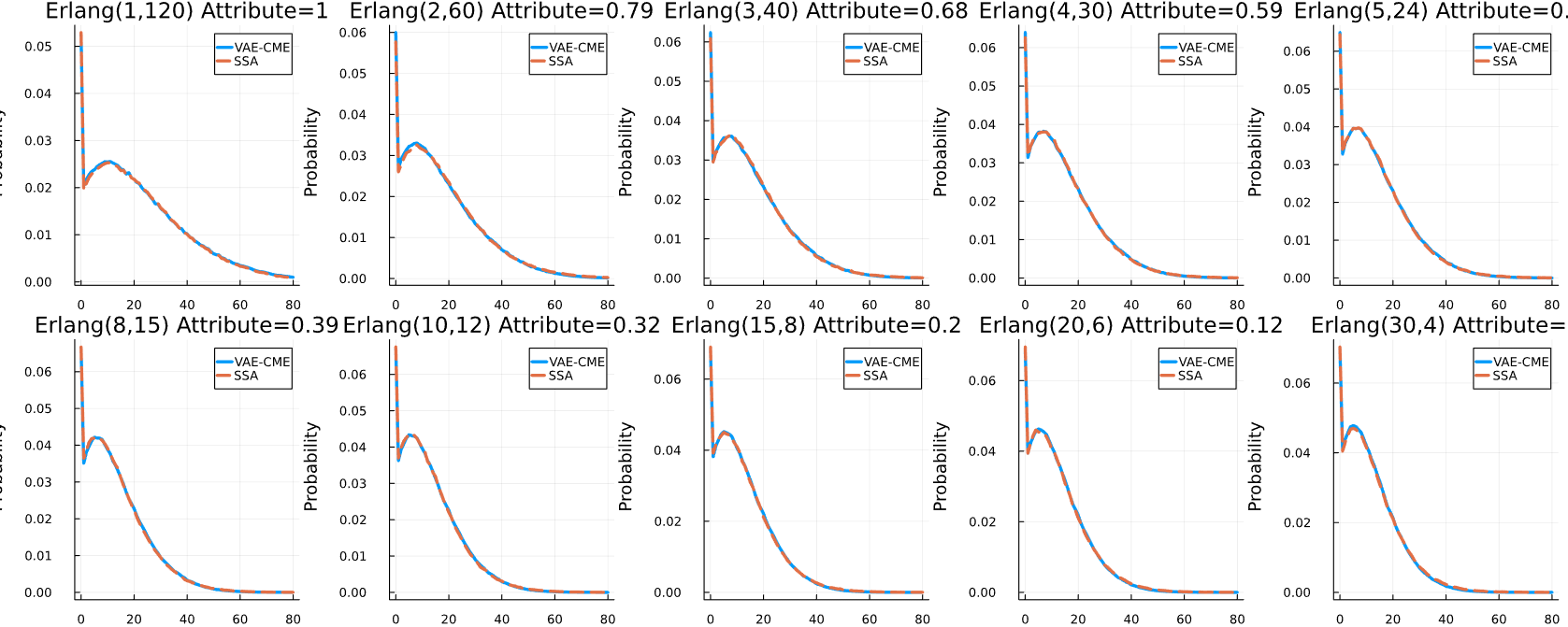
但如果预测alpha beta var三个值的时候，效果感觉差点意思



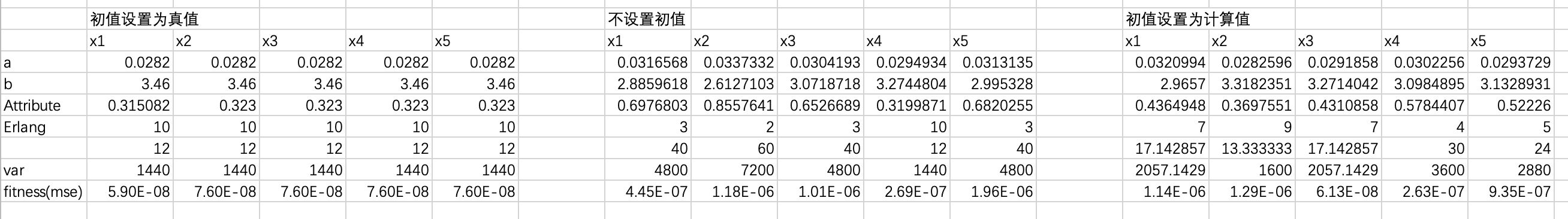
所有初始值设置为真值时的Inference效果



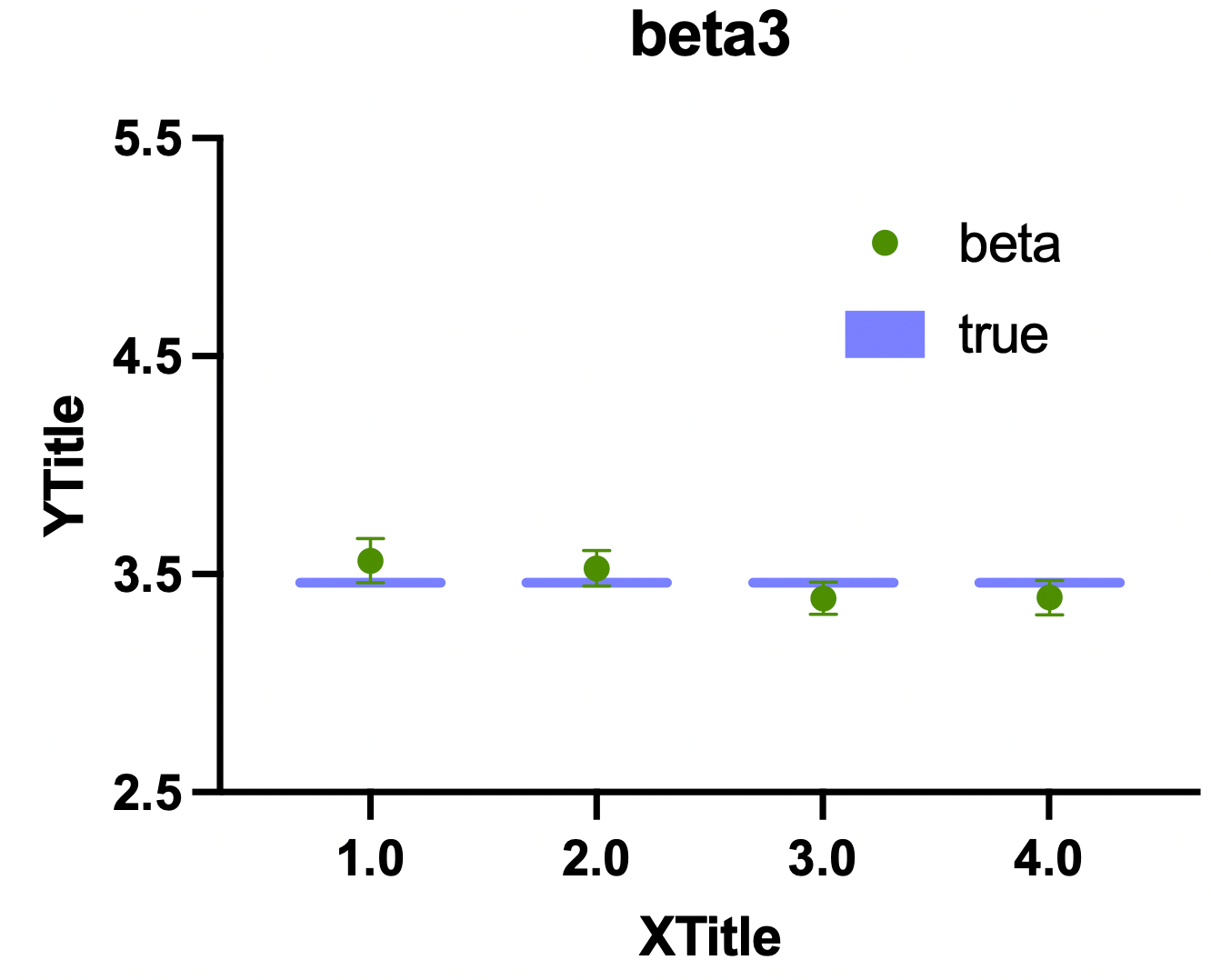
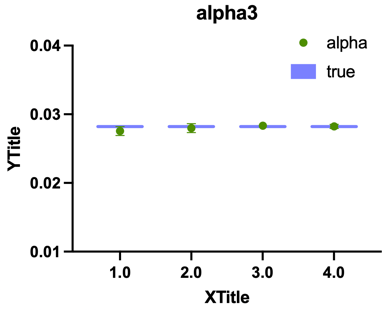
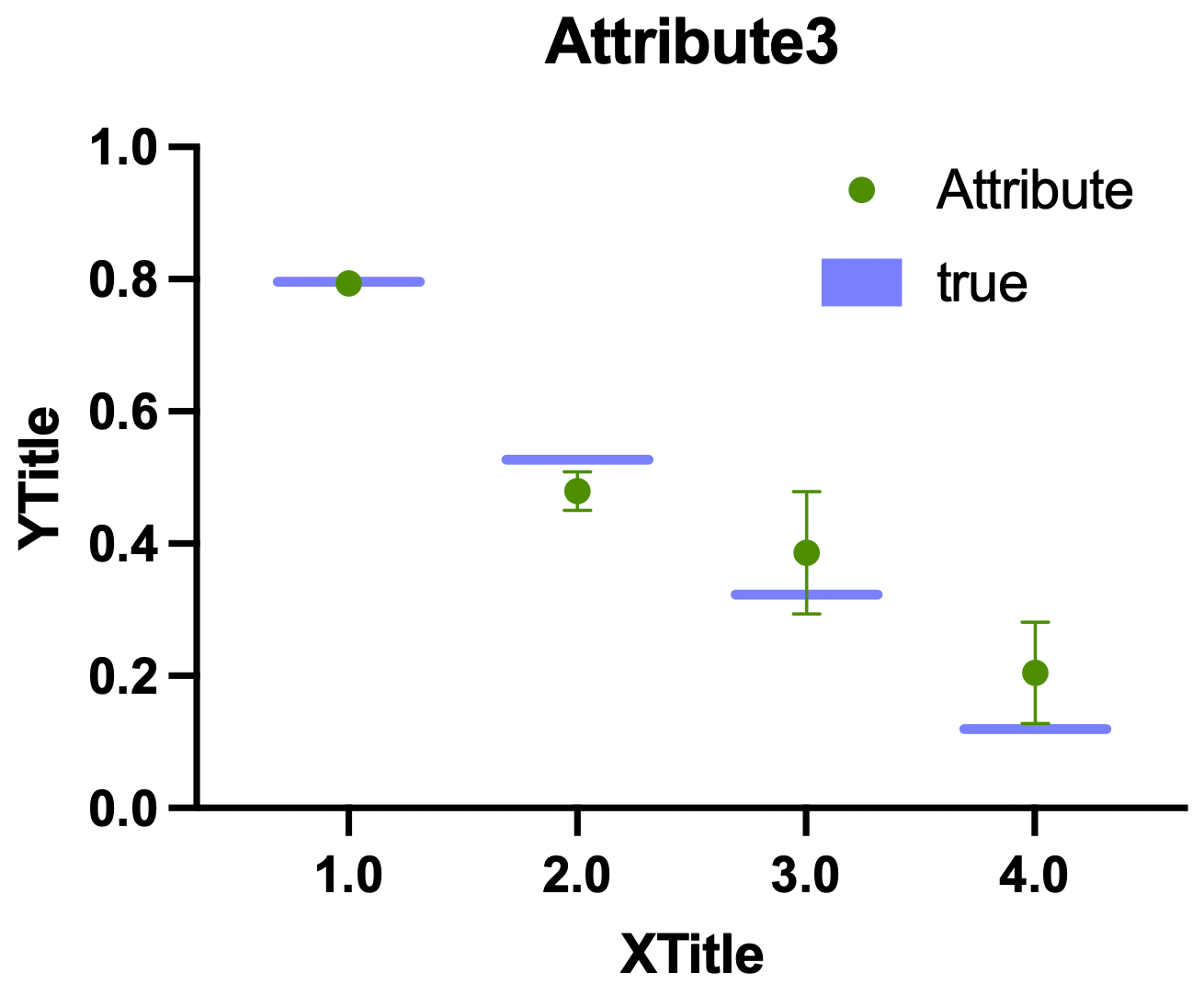
增加了一组，erlang(5,24) Attribute = 0.52，训完之后按照log的线性关系，预测几乎严丝合缝，说明确实是log的线性关系，此时alpha=0.0282，beta=3.46，只有一组alpha和beta



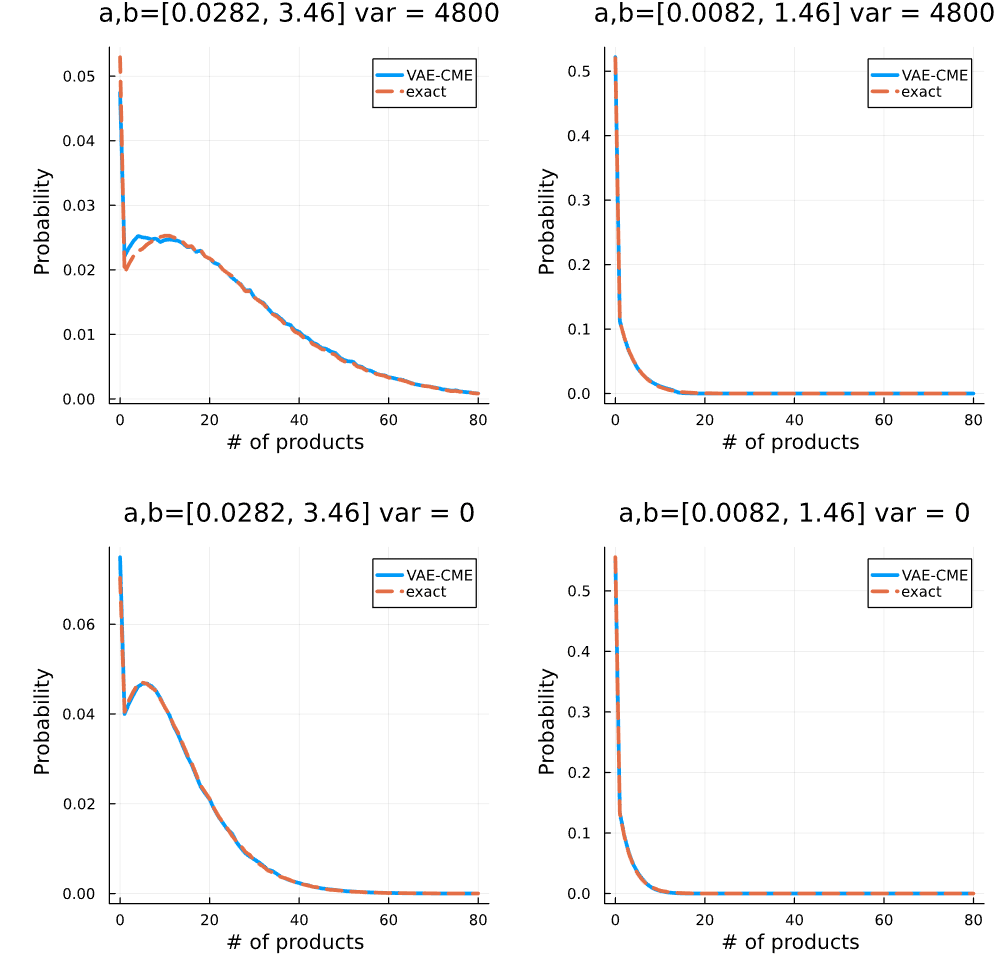
用50w次SSA对Erlang(10,12)进行预测，同一组SSA，重复五次实验，不同的初值

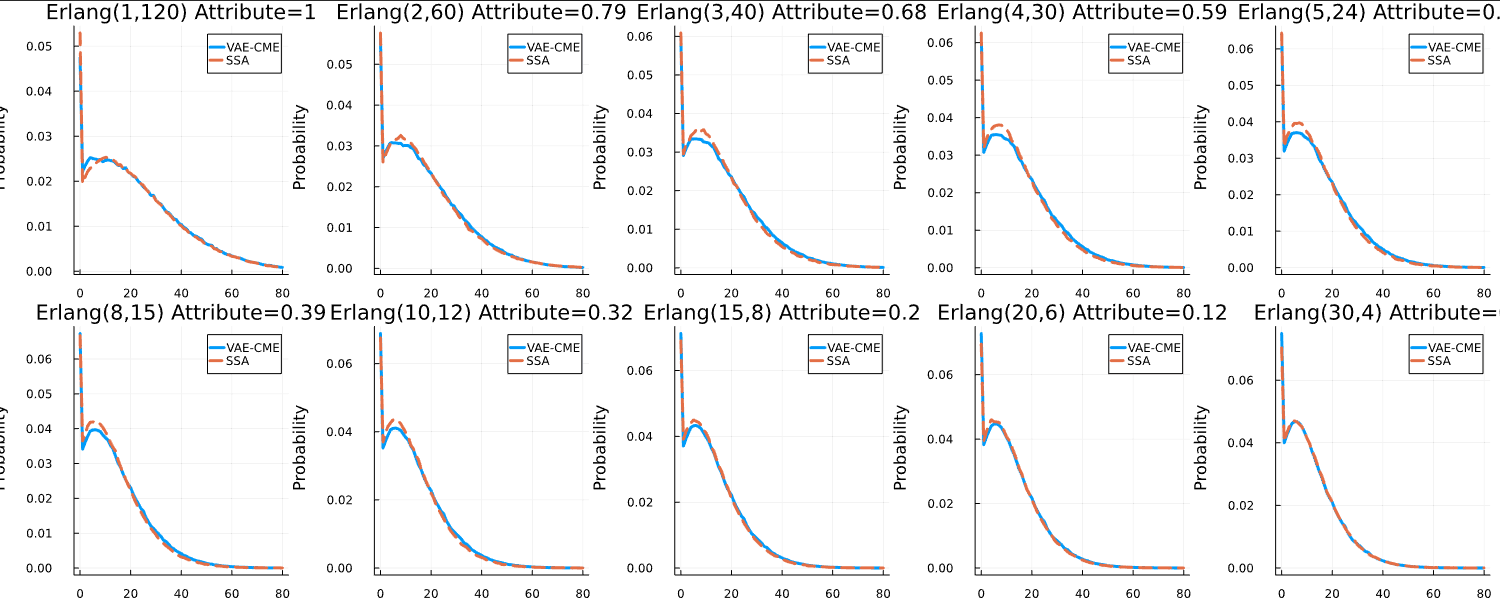


设置初值为真值，每一组参数，每一组参数只有tau的var不同，同样的参数跑出五组5000次的SSA，对五组不同SSA数据进行Inference

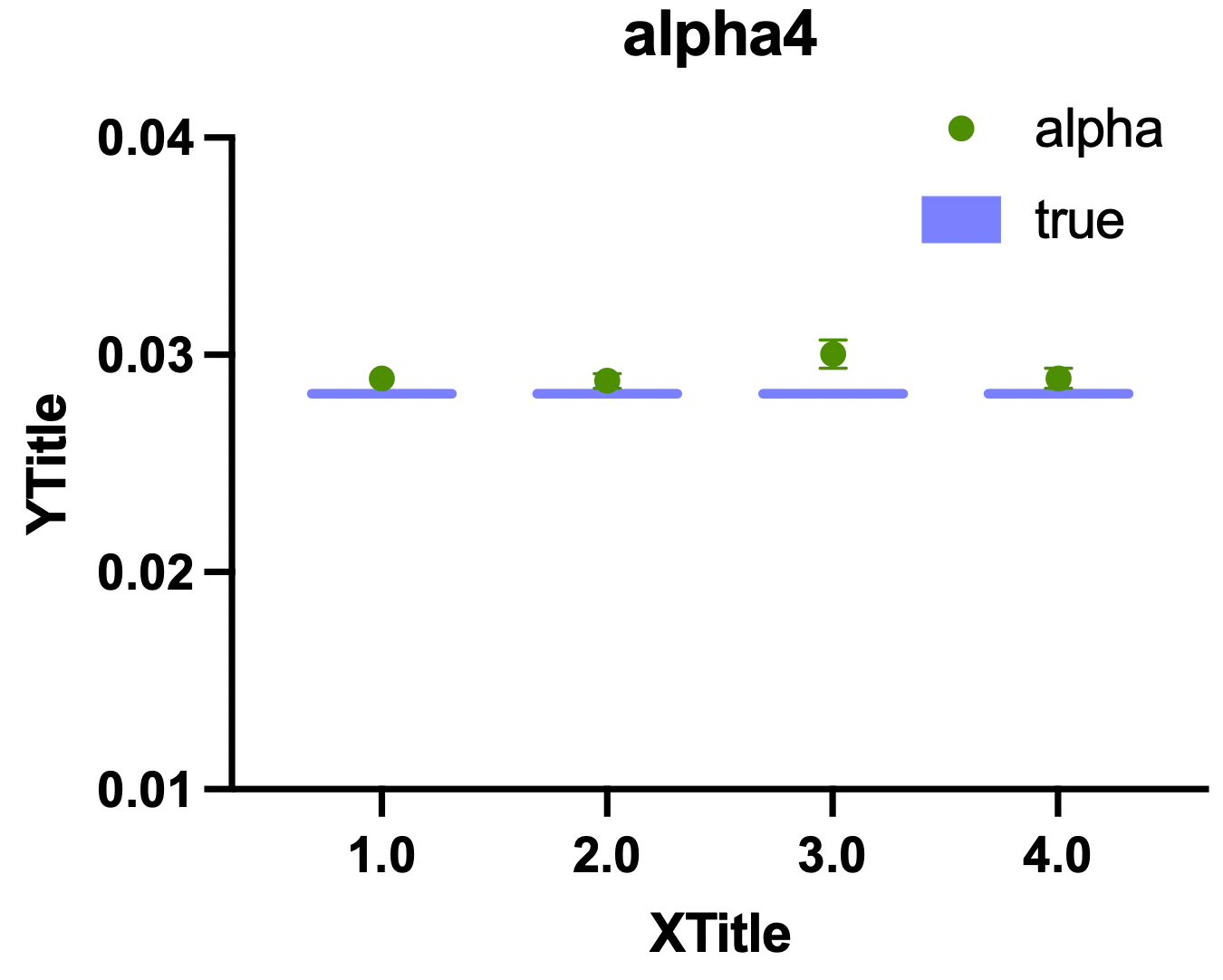
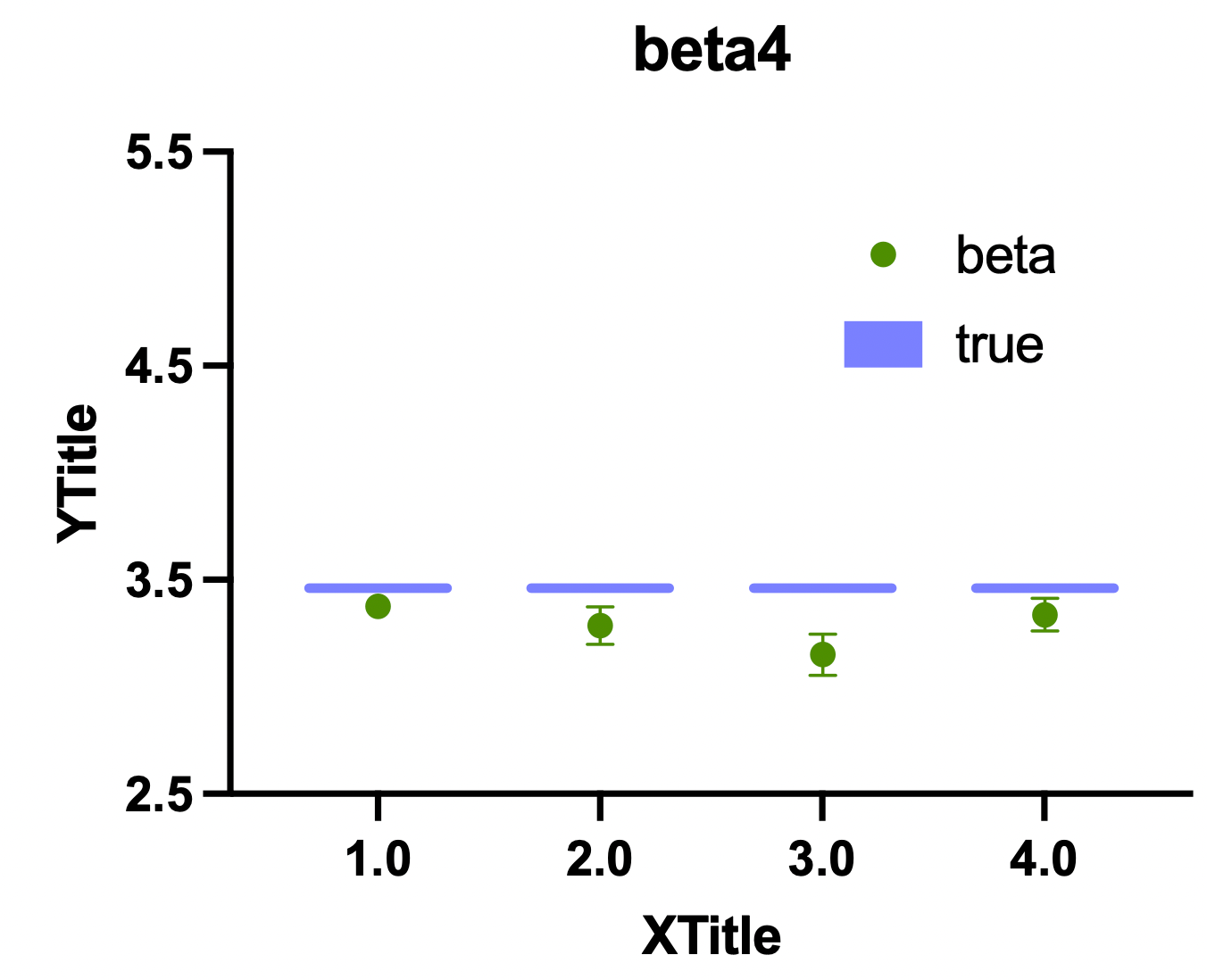
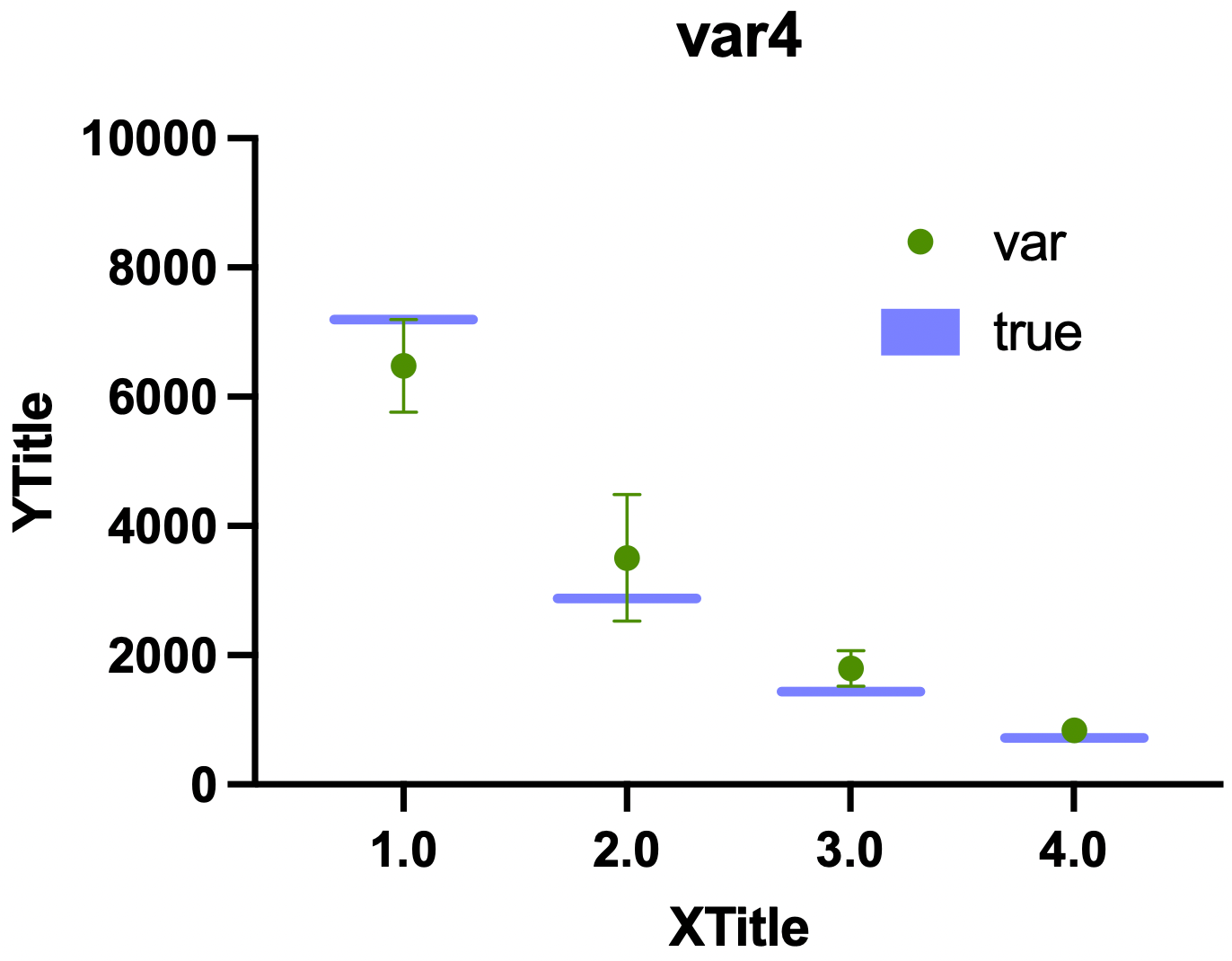
 

增加一组的alpha和beta的情况，数据是Attribute=0和1，拟合和预测效果

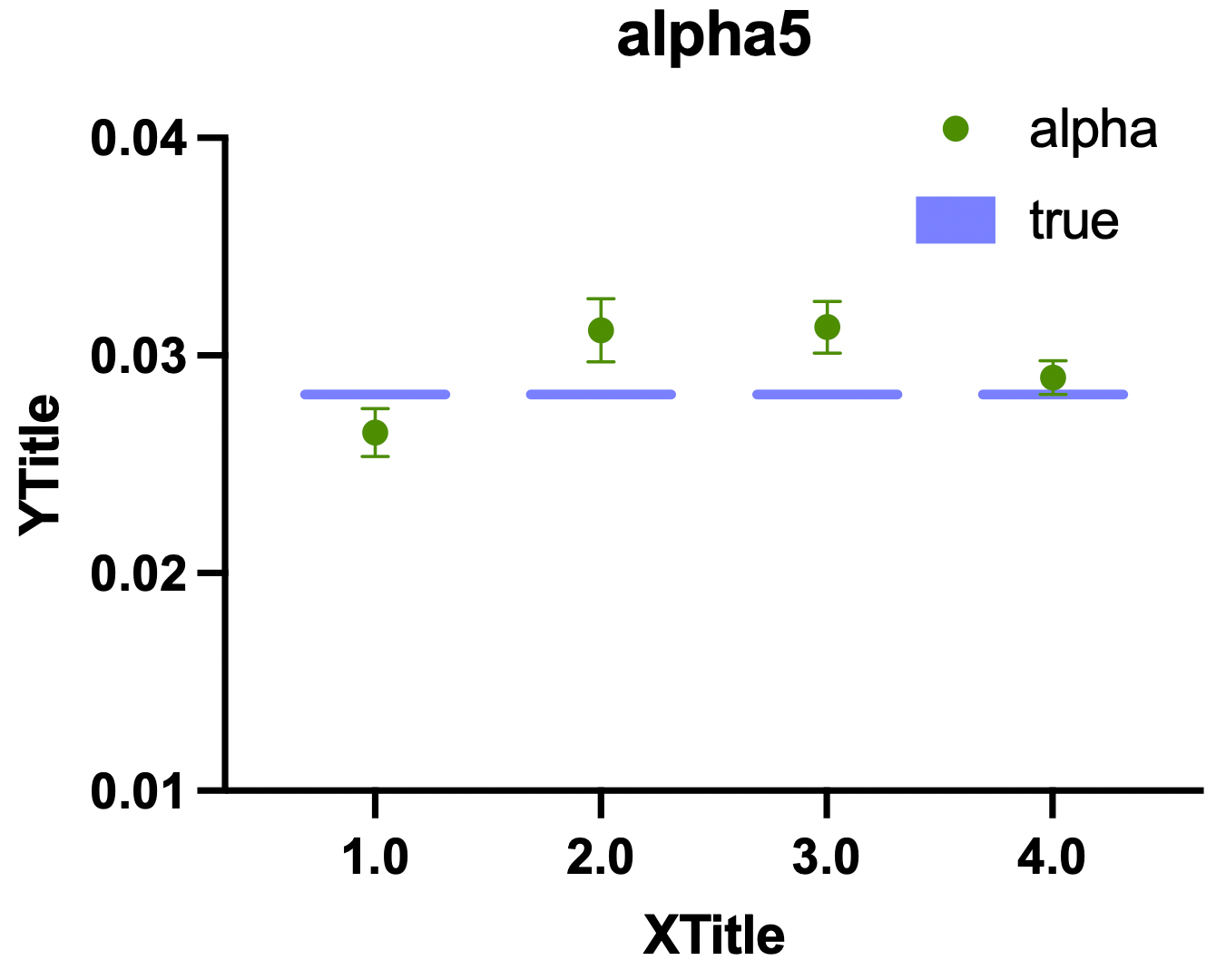
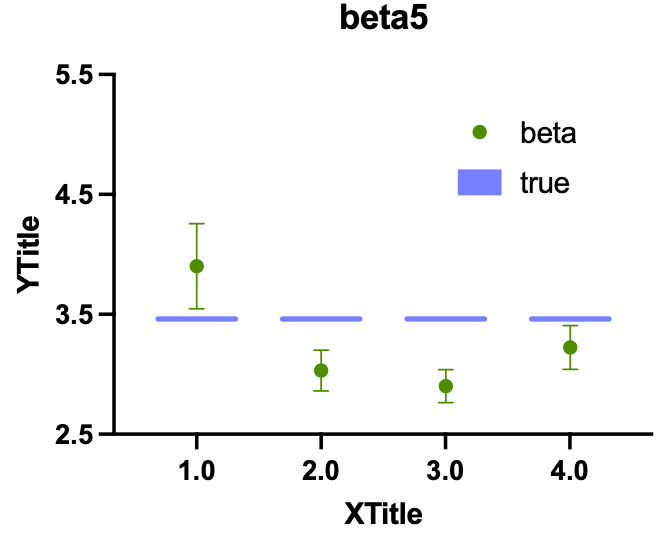
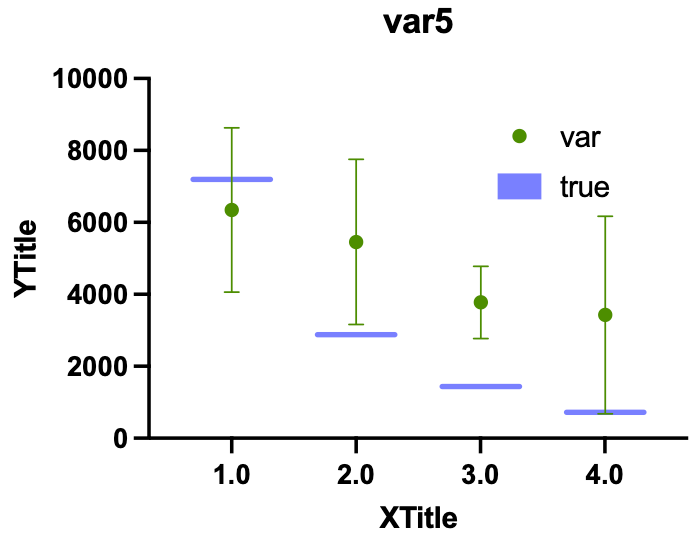




对alpha=0.0282，beta=3.46的Inference效果，50w次SSA

换做是5000次SSA，根本不行

究其原因，感觉是拟合效果不好导致，因此加入两组Attribute=0.52进行训练