Tables Abduction, Action, Prediction

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1 Introduction

Table 1: Comparison of prior probabilities and posterior probabilities for error terms

Variable	Initial Probability	Posterior Probability
u1	0.4701183	0.0000000
u2	0.7393943	1.0000000
u3(change_to_left)	0.4628995	0.4628900
u3(cruise)	0.3253425	0.3253400
u3(keep)	0.2117580	0.2117500
u4(change_to_left)	0.3477199	0.3477100
u4(cruise)	0.6518730	0.6518700
u4(keep)	0.0004072	0.0004000
u5(change_to_left)	0.1246326	0.0000000
u5(cruise)	0.2522046	1.0000000
u5(keep)	0.6231628	0.0000000
u6(change_to_left)	0.1592989	0.1592900
u6(cruise)	0.7684518	0.7684500
u6(keep)	0.0722493	0.0722400
u7	0.9990010	0.9990010
u8	0.9990010	0.9990010
u9	0.0009990	0.0009990
u10	0.9990010	0.9990010
u11	0.1267958	0.1267958
u12	0.0009990	0.0009990
u13	0.7511792	0.7511792
u14	0.4358974	1.0000000
u15	0.0009990	0.0009990
u16	0.7640587	0.7640587
u17	0.0663964	0.0663964
u18	0.0009990	0.0009990

Color Legend:

Blue: Probability increased significantly

Red: Probability decreased significantly

Black: Minimal or no change

Key observations:

Major increases: u2, u5(cruise), u14 (all reached 1.0)

Major decreases: u1, u5(change_to_left), u5(keep) (all dropped to 0.0)

Stable probabilities: Most variables showed minimal changes or remained identical