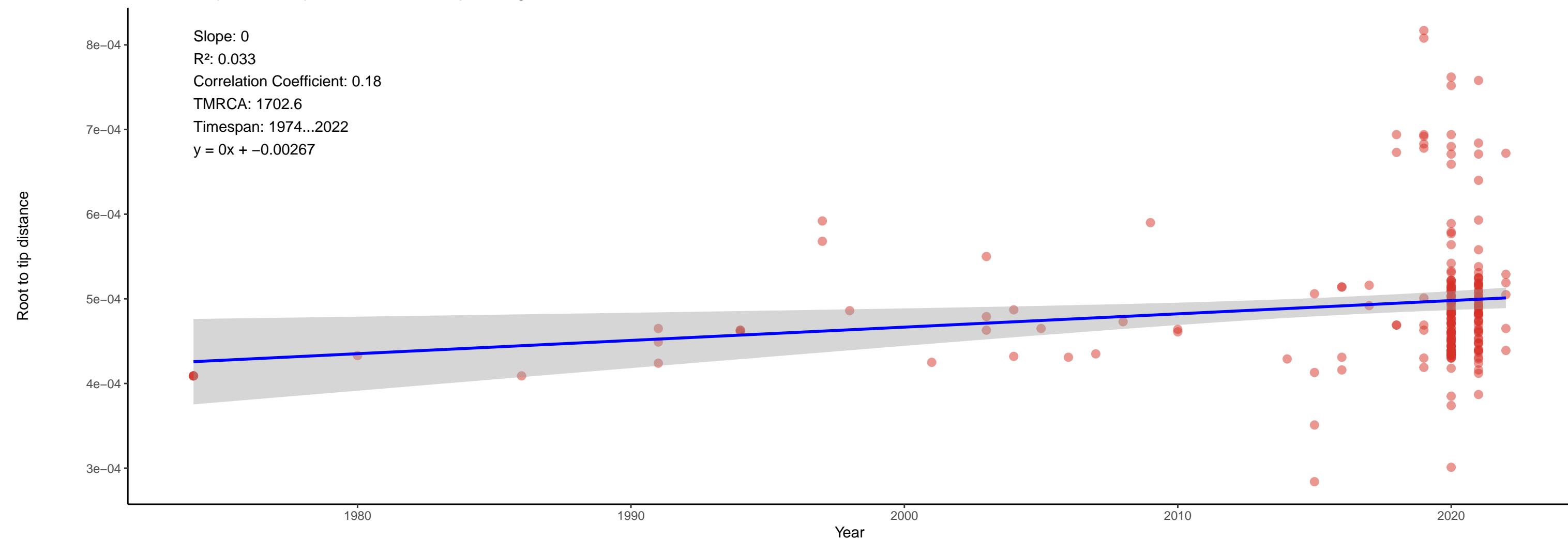


A. Root to tip distance plot to evaluate temporal signal



**Model: Constant**

Parameter	1	2	3
popsize	88	112	126
uclMean	71	97	98
Tree_height	86	139	144
Likelihood	17195	42	21
Posterior	88	57	39

Replicate

**Model: Skyline**

Parameter	1	2	3
popsize	412	234	375
uclMean	155	161	48
Tree_height	491	1198	83
Likelihood	13	16	11158
Posterior	14	17	70

Replicate

**Model: Exponential**

Parameter	1	2	3
popsize	159	84	171
uclMean	96	45	69
Tree_height	139	59	107
Likelihood	14583	9937	11538
Posterior	105	54	86

Replicate

ESS Status    Constant\_Good    Constant\_Low

ESS Status    Skyline\_Good    Skyline\_Low

ESS Status    Exponential\_Good    Exponential\_Low