

Family: gaussian(identity)

Formula: cbind(Overall_rating, Location_rating, Cleanliness_rating, Rooms_rating, Service_rating, Sleepquality_rating, Value_rating) ~ Date_of_review + Trip_type + Visitors_country_pdi * Destination_country_pdi + Visitors_country_idv * Destination_country_idv + Visitors_country_mas * Destination_country_mas + Visitors_country_uai * Destination_country_uai + Visitors_country_lto * Destination_country_lto + Visitors_country_ivr * Destination_country_ivr + (1 | Destination_country_name) + (1 | Destination_country_name:Hotel_id) + (1 + Destination_country_pdi + Destination_country_idv + Destination_country_mas + Destination_country_uai + Destination_country_lto + Destination_country_ivr | Visitors_country_name) + (1 | Visitors_country_name:Reviewer_id)

Data: Data (Number of observations: 30000)

Samples: 2 chains, each with iter. = 60000; warmup = 50000; thin = 50; total post-warmup samples = 400

ICs: LOO = NA; WAIC = NA; R2 = NA

Group-Level Effects:

~Destination_country_name (Number of levels: 75)

	Estimate	Est. Error	l-95% CI	u-95% CI	Eff. Sample	Rhat
sd(Overallrating_Intercept)	0.04	0.01	0.03	0.06	400	1
sd(Locationrating_Intercept)	0.14	0.02	0.11	0.18	400	1
sd(Cleanlinessrating_Intercept)	0.06	0.01	0.04	0.08	346	1.01
sd(Roomsrating_Intercept)	0.07	0.01	0.05	0.09	400	1
sd(Servicerating_Intercept)	0.06	0.01	0.04	0.08	239	1.01
sd(Sleepqualityrating_Intercept)	0.05	0.01	0.03	0.07	400	1
sd(Valuerating_Intercept)	0.09	0.01	0.07	0.11	339	1

~Destination_country_name:Hotel_id (Number of levels: 6524)

	Estimate	Est. Error	l-95% CI	u-95% CI	Eff. Sample	Rhat
sd(Overallrating_Intercept)	0.05	0.01	0.03	0.07	274	1.01
sd(Locationrating_Intercept)	0.42	0.01	0.4	0.43	400	1
sd(Cleanlinessrating_Intercept)	0.12	0.01	0.11	0.13	376	1
sd(Roomsrating_Intercept)	0.15	0.01	0.14	0.16	400	1
sd(Servicerating_Intercept)	0.1	0.01	0.09	0.12	400	1
sd(Sleepqualityrating_Intercept)	0.1	0.01	0.08	0.11	264	1
sd(Valuerating_Intercept)	0.17	0.01	0.16	0.18	400	1

~Visitors_country_name (Number of levels: 80)

	Estimate	Est. Error	l-95% CI	u-95% CI	Eff. Sample	Rhat
sd(Overallrating_Intercept)	0.02	0.01	0	0.05	400	1
sd(Overallrating_Destination_country_pdi)	0.02	0.01	0	0.05	318	1
sd(Overallrating_Destination_country_idv)	0.02	0.01	0	0.05	346	1.01
sd(Overallrating_Destination_country_mas)	0.02	0.01	0	0.05	400	1
sd(Overallrating_Destination_country_uai)	0.02	0.01	0	0.05	374	1
sd(Overallrating_Destination_country_lto)	0.03	0.02	0	0.07	400	1
sd(Overallrating_Destination_country_ivr)	0.03	0.02	0	0.07	400	1
sd(Locationrating_Intercept)	0.04	0.03	0	0.11	381	1
sd(Locationrating_Destination_country_pdi)	0.04	0.03	0	0.11	378	1
sd(Locationrating_Destination_country_idv)	0.04	0.03	0	0.1	389	1
sd(Locationrating_Destination_country_mas)	0.07	0.03	0.01	0.13	374	1
sd(Locationrating_Destination_country_uai)	0.03	0.02	0	0.08	400	1.01
sd(Locationrating_Destination_country_lto)	0.07	0.04	0	0.15	400	1.01
sd(Locationrating_Destination_country_ivr)	0.03	0.02	0	0.09	400	1
sd(Cleanlinessrating_Intercept)	0.02	0.02	0	0.06	339	1
sd(Cleanlinessrating_Destination_country_pdi)	0.03	0.02	0	0.07	359	1
sd(Cleanlinessrating_Destination_country_idv)	0.08	0.02	0.04	0.12	321	1
sd(Cleanlinessrating_Destination_country_mas)	0.03	0.02	0	0.07	400	1
sd(Cleanlinessrating_Destination_country_uai)	0.03	0.02	0	0.07	366	1
sd(Cleanlinessrating_Destination_country_lto)	0.03	0.02	0	0.06	400	1.01
sd(Cleanlinessrating_Destination_country_ivr)	0.03	0.02	0	0.09	357	1
sd(Roomsrating_Intercept)	0.02	0.01	0	0.05	381	1
sd(Roomsrating_Destination_country_pdi)	0.03	0.02	0	0.08	400	1
sd(Roomsrating_Destination_country_idv)	0.03	0.02	0	0.07	400	1
sd(Roomsrating_Destination_country_mas)	0.03	0.02	0	0.08	400	1.01
sd(Roomsrating_Destination_country_uai)	0.04	0.02	0.01	0.09	400	1
sd(Roomsrating_Destination_country_lto)	0.03	0.02	0	0.07	358	1
sd(Roomsrating_Destination_country_ivr)	0.04	0.03	0	0.1	400	1
sd(Servicerating_Intercept)	0.03	0.02	0	0.07	400	1
sd(Servicerating_Destination_country_pdi)	0.04	0.02	0	0.1	400	1
sd(Servicerating_Destination_country_idv)	0.06	0.02	0.01	0.11	396	1
sd(Servicerating_Destination_country_mas)	0.04	0.03	0	0.11	348	1
sd(Servicerating_Destination_country_uai)	0.04	0.02	0	0.08	400	1
sd(Servicerating_Destination_country_lto)	0.06	0.03	0.01	0.12	349	1
sd(Servicerating_Destination_country_ivr)	0.05	0.03	0	0.11	322	1
sd(Sleepqualityrating_Intercept)	0.02	0.01	0	0.05	308	1
sd(Sleepqualityrating_Destination_country_pdi)	0.03	0.02	0	0.08	281	1
sd(Sleepqualityrating_Destination_country_idv)	0.04	0.02	0	0.09	400	1.01
sd(Sleepqualityrating_Destination_country_mas)	0.02	0.02	0	0.07	400	1
sd(Sleepqualityrating_Destination_country_uai)	0.04	0.02	0	0.08	400	1.01
sd(Sleepqualityrating_Destination_country_lto)	0.03	0.02	0	0.08	400	1
sd(Sleepqualityrating_Destination_country_ivr)	0.04	0.03	0	0.1	400	1

sd(Valuerating_Intercept)	0.02	0.02	0	0.06	386	1
sd(Valuerating_Destination_country_pdi)	0.03	0.02	0	0.07	400	1
sd(Valuerating_Destination_country_idv)	0.05	0.02	0.01	0.09	400	1
sd(Valuerating_Destination_country_mas)	0.03	0.02	0	0.08	400	1
sd(Valuerating_Destination_country_uai)	0.03	0.02	0	0.08	400	1
sd(Valuerating_Destination_country_lto)	0.03	0.02	0	0.08	400	1
sd(Valuerating_Destination_country_ivr)	0.03	0.02	0	0.09	400	1
cor(Overallrating_Intercept,Overallrating_Destination_country_pdi)	-0.04	0.35	-0.7	0.62	400	1
cor(Overallrating_Intercept,Overallrating_Destination_country_idv)	0	0.33	-0.58	0.62	365	1
cor(Overallrating_Destination_country_pdi,Overallrating_Destination_country_idv)	0.11	0.36	-0.58	0.74	400	1
cor(Overallrating_Intercept,Overallrating_Destination_country_mas)	-0.04	0.35	-0.67	0.68	400	1
cor(Overallrating_Destination_country_pdi,Overallrating_Destination_country_mas)	-0.06	0.36	-0.69	0.64	338	1
cor(Overallrating_Destination_country_idv,Overallrating_Destination_country_mas)	-0.06	0.34	-0.69	0.6	400	1
cor(Overallrating_Intercept,Overallrating_Destination_country_uai)	-0.04	0.34	-0.67	0.59	400	1
cor(Overallrating_Destination_country_pdi,Overallrating_Destination_country_uai)	-0.06	0.34	-0.66	0.59	353	1
cor(Overallrating_Destination_country_idv,Overallrating_Destination_country_uai)	-0.01	0.33	-0.63	0.62	282	1
cor(Overallrating_Destination_country_mas,Overallrating_Destination_country_uai)	0.03	0.35	-0.68	0.71	349	1
cor(Overallrating_Intercept,Overallrating_Destination_country_lto)	0.01	0.32	-0.62	0.66	400	1
cor(Overallrating_Destination_country_pdi,Overallrating_Destination_country_lto)	-0.03	0.39	-0.7	0.65	400	1
cor(Overallrating_Destination_country_idv,Overallrating_Destination_country_lto)	0.01	0.36	-0.67	0.68	367	1
cor(Overallrating_Destination_country_mas,Overallrating_Destination_country_lto)	-0.08	0.37	-0.74	0.67	348	1
cor(Overallrating_Destination_country_uai,Overallrating_Destination_country_lto)	-0.05	0.36	-0.72	0.6	373	1
cor(Overallrating_Intercept,Overallrating_Destination_country_ivr)	-0.07	0.34	-0.68	0.63	400	1
cor(Overallrating_Destination_country_pdi,Overallrating_Destination_country_ivr)	-0.01	0.36	-0.62	0.67	400	1
cor(Overallrating_Destination_country_idv,Overallrating_Destination_country_ivr)	-0.09	0.34	-0.67	0.58	359	1
cor(Overallrating_Destination_country_mas,Overallrating_Destination_country_ivr)	0.04	0.36	-0.59	0.71	400	1
cor(Overallrating_Destination_country_uai,Overallrating_Destination_country_ivr)	0.05	0.36	-0.6	0.74	400	1
cor(Overallrating_Destination_country_lto,Overallrating_Destination_country_ivr)	0	0.37	-0.7	0.7	400	1
cor(Locationrating_Intercept,Locationrating_Destination_country_pdi)	-0.1	0.35	-0.67	0.58	400	1
cor(Locationrating_Intercept,Locationrating_Destination_country_idv)	-0.1	0.35	-0.76	0.57	301	1
cor(Locationrating_Destination_country_pdi,Locationrating_Destination_country_idv)	-0.06	0.36	-0.71	0.63	400	1
cor(Locationrating_Intercept,Locationrating_Destination_country_mas)	0.03	0.34	-0.6	0.61	393	1
cor(Locationrating_Destination_country_pdi,Locationrating_Destination_country_mas)	-0.13	0.33	-0.71	0.55	400	1.01
cor(Locationrating_Destination_country_idv,Locationrating_Destination_country_mas)	-0.05	0.34	-0.7	0.6	379	1
cor(Locationrating_Intercept,Locationrating_Destination_country_uai)	-0.11	0.36	-0.71	0.58	400	1
cor(Locationrating_Destination_country_pdi,Locationrating_Destination_country_uai)	0.01	0.35	-0.65	0.7	376	1
cor(Locationrating_Destination_country_idv,Locationrating_Destination_country_uai)	-0.14	0.36	-0.77	0.54	400	1
cor(Locationrating_Destination_country_mas,Locationrating_Destination_country_uai)	-0.08	0.36	-0.72	0.66	400	1
cor(Locationrating_Intercept,Locationrating_Destination_country_lto)	0	0.36	-0.62	0.64	400	1
cor(Locationrating_Destination_country_pdi,Locationrating_Destination_country_lto)	0.04	0.36	-0.67	0.72	353	1
cor(Locationrating_Destination_country_idv,Locationrating_Destination_country_lto)	-0.24	0.34	-0.82	0.44	400	1
cor(Locationrating_Destination_country_mas,Locationrating_Destination_country_lto)	0.1	0.32	-0.58	0.65	400	1
cor(Locationrating_Destination_country_uai,Locationrating_Destination_country_lto)	0.01	0.37	-0.67	0.68	400	1
cor(Locationrating_Intercept,Locationrating_Destination_country_ivr)	-0.06	0.35	-0.68	0.62	368	1

cor(Locationrating_Destination_country_pdi,Locationrating_Destination_country_ivr)	-0.05	0.35	-0.71	0.64	400	1
cor(Locationrating_Destination_country_idv,Locationrating_Destination_country_ivr)	-0.04	0.36	-0.69	0.59	382	1
cor(Locationrating_Destination_country_mas,Locationrating_Destination_country_ivr)	0.03	0.33	-0.63	0.67	400	1
cor(Locationrating_Destination_country_uai,Locationrating_Destination_country_ivr)	0.01	0.34	-0.64	0.64	357	1
cor(Locationrating_Destination_country_lto,Locationrating_Destination_country_ivr)	0.01	0.35	-0.68	0.69	376	1
cor(Cleanlinessrating_Intercept,Cleanlinessrating_Destination_country_pdi)	-0.08	0.36	-0.7	0.6	399	1
cor(Cleanlinessrating_Intercept,Cleanlinessrating_Destination_country_idv)	-0.04	0.32	-0.64	0.58	324	1
cor(Cleanlinessrating_Destination_country_pdi,Cleanlinessrating_Destination_country_idv)	0.09	0.33	-0.54	0.65	400	1
cor(Cleanlinessrating_Intercept,Cleanlinessrating_Destination_country_mas)	-0.05	0.35	-0.72	0.6	400	1
cor(Cleanlinessrating_Destination_country_pdi,Cleanlinessrating_Destination_country_mas)	-0.01	0.33	-0.67	0.68	400	1
cor(Cleanlinessrating_Destination_country_idv,Cleanlinessrating_Destination_country_mas)	-0.21	0.32	-0.7	0.44	353	1
cor(Cleanlinessrating_Intercept,Cleanlinessrating_Destination_country_uai)	0	0.34	-0.67	0.61	400	1.01
cor(Cleanlinessrating_Destination_country_pdi,Cleanlinessrating_Destination_country_uai)	-0.02	0.34	-0.65	0.66	400	1.01
cor(Cleanlinessrating_Destination_country_idv,Cleanlinessrating_Destination_country_uai)	0.1	0.33	-0.53	0.69	400	1
cor(Cleanlinessrating_Destination_country_mas,Cleanlinessrating_Destination_country_uai)	-0.07	0.36	-0.67	0.64	379	1
cor(Cleanlinessrating_Intercept,Cleanlinessrating_Destination_country_lto)	-0.03	0.35	-0.68	0.64	371	1
cor(Cleanlinessrating_Destination_country_pdi,Cleanlinessrating_Destination_country_lto)	-0.02	0.37	-0.7	0.64	400	1
cor(Cleanlinessrating_Destination_country_idv,Cleanlinessrating_Destination_country_lto)	0.01	0.34	-0.61	0.61	400	1
cor(Cleanlinessrating_Destination_country_mas,Cleanlinessrating_Destination_country_lto)	-0.07	0.37	-0.71	0.64	400	1
cor(Cleanlinessrating_Destination_country_uai,Cleanlinessrating_Destination_country_lto)	0.05	0.35	-0.63	0.67	362	1
cor(Cleanlinessrating_Intercept,Cleanlinessrating_Destination_country_ivr)	-0.06	0.37	-0.74	0.7	348	1
cor(Cleanlinessrating_Destination_country_pdi,Cleanlinessrating_Destination_country_ivr)	-0.03	0.35	-0.69	0.62	400	1
cor(Cleanlinessrating_Destination_country_idv,Cleanlinessrating_Destination_country_ivr)	-0.02	0.34	-0.68	0.62	400	1
cor(Cleanlinessrating_Destination_country_mas,Cleanlinessrating_Destination_country_ivr)	-0.02	0.36	-0.67	0.68	369	1
cor(Cleanlinessrating_Destination_country_uai,Cleanlinessrating_Destination_country_ivr)	-0.03	0.34	-0.61	0.65	400	1
cor(Cleanlinessrating_Destination_country_lto,Cleanlinessrating_Destination_country_ivr)	0	0.35	-0.65	0.65	400	1
cor(Roomsrating_Intercept,Roomsrating_Destination_country_pdi)	-0.03	0.36	-0.61	0.67	400	1
cor(Roomsrating_Intercept,Roomsrating_Destination_country_idv)	0.02	0.33	-0.63	0.59	364	1
cor(Roomsrating_Destination_country_pdi,Roomsrating_Destination_country_idv)	0.05	0.37	-0.67	0.7	400	1
cor(Roomsrating_Intercept,Roomsrating_Destination_country_mas)	-0.05	0.35	-0.65	0.6	330	1
cor(Roomsrating_Destination_country_pdi,Roomsrating_Destination_country_mas)	0.01	0.35	-0.66	0.68	400	1
cor(Roomsrating_Destination_country_idv,Roomsrating_Destination_country_mas)	-0.08	0.35	-0.67	0.59	400	1
cor(Roomsrating_Intercept,Roomsrating_Destination_country_uai)	-0.17	0.35	-0.74	0.54	369	1
cor(Roomsrating_Destination_country_pdi,Roomsrating_Destination_country_uai)	-0.14	0.36	-0.75	0.62	331	1
cor(Roomsrating_Destination_country_idv,Roomsrating_Destination_country_uai)	-0.23	0.33	-0.77	0.52	400	1
cor(Roomsrating_Destination_country_mas,Roomsrating_Destination_country_uai)	0.07	0.33	-0.6	0.7	400	1
cor(Roomsrating_Intercept,Roomsrating_Destination_country_lto)	-0.06	0.35	-0.74	0.61	400	1
cor(Roomsrating_Destination_country_pdi,Roomsrating_Destination_country_lto)	-0.1	0.35	-0.68	0.6	355	1
cor(Roomsrating_Destination_country_idv,Roomsrating_Destination_country_lto)	-0.05	0.36	-0.72	0.66	400	1
cor(Roomsrating_Destination_country_mas,Roomsrating_Destination_country_lto)	-0.05	0.35	-0.68	0.58	400	1
cor(Roomsrating_Destination_country_uai,Roomsrating_Destination_country_lto)	-0.06	0.34	-0.68	0.6	400	1
cor(Roomsrating_Intercept,Roomsrating_Destination_country_ivr)	-0.04	0.36	-0.7	0.65	400	1
cor(Roomsrating_Destination_country_pdi,Roomsrating_Destination_country_ivr)	0.05	0.34	-0.61	0.64	364	1
cor(Roomsrating_Destination_country_idv,Roomsrating_Destination_country_ivr)	0.04	0.33	-0.57	0.64	250	1.02

cor(Roomsrating_Destination_country_mas,Roomsrating_Destination_country_ivr)	-0.06	0.35	-0.72	0.57	337	1
cor(Roomsrating_Destination_country_uai,Roomsrating_Destination_country_ivr)	-0.23	0.34	-0.79	0.49	400	1
cor(Roomsrating_Destination_country_lto,Roomsrating_Destination_country_ivr)	0	0.35	-0.61	0.61	400	1
cor(Servicerating_Intercept,Servicerating_Destination_country_pdi)	-0.1	0.33	-0.69	0.56	294	1
cor(Servicerating_Intercept,Servicerating_Destination_country_idv)	-0.04	0.35	-0.67	0.68	363	1
cor(Servicerating_Destination_country_pdi,Servicerating_Destination_country_idv)	0.09	0.34	-0.56	0.73	349	1
cor(Servicerating_Intercept,Servicerating_Destination_country_mas)	-0.08	0.37	-0.75	0.62	400	1
cor(Servicerating_Destination_country_pdi,Servicerating_Destination_country_mas)	-0.02	0.35	-0.7	0.63	400	1
cor(Servicerating_Destination_country_idv,Servicerating_Destination_country_mas)	-0.26	0.32	-0.79	0.39	400	1
cor(Servicerating_Intercept,Servicerating_Destination_country_uai)	-0.02	0.34	-0.63	0.65	400	1
cor(Servicerating_Destination_country_pdi,Servicerating_Destination_country_uai)	-0.03	0.35	-0.64	0.65	400	1
cor(Servicerating_Destination_country_idv,Servicerating_Destination_country_uai)	0.15	0.33	-0.52	0.73	371	1
cor(Servicerating_Destination_country_mas,Servicerating_Destination_country_uai)	-0.11	0.34	-0.7	0.53	338	1
cor(Servicerating_Intercept,Servicerating_Destination_country_lto)	-0.01	0.34	-0.65	0.66	370	1
cor(Servicerating_Destination_country_pdi,Servicerating_Destination_country_lto)	-0.05	0.34	-0.66	0.58	400	1.01
cor(Servicerating_Destination_country_idv,Servicerating_Destination_country_lto)	0.05	0.3	-0.49	0.6	400	1
cor(Servicerating_Destination_country_mas,Servicerating_Destination_country_lto)	-0.2	0.35	-0.77	0.54	400	1
cor(Servicerating_Destination_country_uai,Servicerating_Destination_country_lto)	0.05	0.35	-0.58	0.67	363	1
cor(Servicerating_Intercept,Servicerating_Destination_country_ivr)	-0.05	0.35	-0.68	0.56	400	1
cor(Servicerating_Destination_country_pdi,Servicerating_Destination_country_ivr)	0.06	0.35	-0.64	0.7	400	1.01
cor(Servicerating_Destination_country_idv,Servicerating_Destination_country_ivr)	0.06	0.34	-0.65	0.69	354	1
cor(Servicerating_Destination_country_mas,Servicerating_Destination_country_ivr)	-0.02	0.33	-0.64	0.64	378	1
cor(Servicerating_Destination_country_uai,Servicerating_Destination_country_ivr)	0.08	0.32	-0.51	0.67	400	1
cor(Servicerating_Destination_country_lto,Servicerating_Destination_country_ivr)	0.07	0.34	-0.58	0.72	400	1
cor(Sleepqualityrating_Intercept,Sleepqualityrating_Destination_country_pdi)	-0.07	0.37	-0.69	0.62	319	1
cor(Sleepqualityrating_Intercept,Sleepqualityrating_Destination_country_idv)	-0.01	0.36	-0.67	0.67	400	1
cor(Sleepqualityrating_Destination_country_pdi,Sleepqualityrating_Destination_country_idv)	0.05	0.35	-0.61	0.68	400	1
cor(Sleepqualityrating_Intercept,Sleepqualityrating_Destination_country_mas)	-0.01	0.35	-0.68	0.59	400	1
cor(Sleepqualityrating_Destination_country_pdi,Sleepqualityrating_Destination_country_mas)	-0.04	0.36	-0.7	0.64	290	1
cor(Sleepqualityrating_Destination_country_idv,Sleepqualityrating_Destination_country_mas)	0.05	0.33	-0.59	0.63	400	1
cor(Sleepqualityrating_Intercept,Sleepqualityrating_Destination_country_uai)	-0.06	0.35	-0.7	0.58	400	1
cor(Sleepqualityrating_Destination_country_pdi,Sleepqualityrating_Destination_country_uai)	-0.07	0.34	-0.68	0.63	353	1.01
cor(Sleepqualityrating_Destination_country_idv,Sleepqualityrating_Destination_country_uai)	0	0.34	-0.59	0.69	400	1
cor(Sleepqualityrating_Destination_country_mas,Sleepqualityrating_Destination_country_uai)	-0.05	0.36	-0.71	0.62	400	1
cor(Sleepqualityrating_Intercept,Sleepqualityrating_Destination_country_lto)	-0.05	0.37	-0.73	0.68	400	1
cor(Sleepqualityrating_Destination_country_pdi,Sleepqualityrating_Destination_country_lto)	-0.1	0.38	-0.77	0.64	362	1.01
cor(Sleepqualityrating_Destination_country_idv,Sleepqualityrating_Destination_country_lto)	-0.01	0.33	-0.64	0.64	400	1
cor(Sleepqualityrating_Destination_country_mas,Sleepqualityrating_Destination_country_lto)	0	0.36	-0.65	0.67	296	1.01
cor(Sleepqualityrating_Destination_country_uai,Sleepqualityrating_Destination_country_lto)	-0.11	0.32	-0.68	0.55	335	1.02
cor(Sleepqualityrating_Intercept,Sleepqualityrating_Destination_country_ivr)	-0.07	0.37	-0.76	0.63	400	1
cor(Sleepqualityrating_Destination_country_pdi,Sleepqualityrating_Destination_country_ivr)	-0.06	0.35	-0.73	0.57	400	1
cor(Sleepqualityrating_Destination_country_idv,Sleepqualityrating_Destination_country_ivr)	0.03	0.34	-0.61	0.65	400	1
cor(Sleepqualityrating_Destination_country_mas,Sleepqualityrating_Destination_country_ivr)	0.01	0.35	-0.68	0.67	293	1
cor(Sleepqualityrating_Destination_country_uai,Sleepqualityrating_Destination_country_ivr)	-0.02	0.33	-0.65	0.6	314	1

cor(Sleepqualityrating_Destination_country_lto,Sleepqualityrating_Destination_country_ivr)	0	0.35	-0.65	0.66	400	1
cor(Valuerating_Intercept,Valuerating_Destination_country_pdi)	-0.03	0.36	-0.7	0.65	400	1
cor(Valuerating_Intercept,Valuerating_Destination_country_idv)	-0.05	0.35	-0.72	0.65	400	1.01
cor(Valuerating_Destination_country_pdi,Valuerating_Destination_country_idv)	0	0.34	-0.62	0.62	400	1
cor(Valuerating_Intercept,Valuerating_Destination_country_mas)	-0.07	0.35	-0.72	0.64	347	1
cor(Valuerating_Destination_country_pdi,Valuerating_Destination_country_mas)	-0.01	0.36	-0.67	0.7	398	1
cor(Valuerating_Destination_country_idv,Valuerating_Destination_country_mas)	0.05	0.34	-0.63	0.65	400	1
cor(Valuerating_Intercept,Valuerating_Destination_country_uai)	-0.07	0.35	-0.69	0.61	400	1
cor(Valuerating_Destination_country_pdi,Valuerating_Destination_country_uai)	-0.09	0.36	-0.69	0.65	306	1
cor(Valuerating_Destination_country_idv,Valuerating_Destination_country_uai)	0.02	0.33	-0.6	0.68	400	1
cor(Valuerating_Destination_country_mas,Valuerating_Destination_country_uai)	-0.06	0.35	-0.7	0.67	400	1
cor(Valuerating_Intercept,Valuerating_Destination_country_lto)	-0.07	0.35	-0.69	0.58	400	1
cor(Valuerating_Destination_country_pdi,Valuerating_Destination_country_lto)	-0.08	0.34	-0.67	0.58	368	1.01
cor(Valuerating_Destination_country_idv,Valuerating_Destination_country_lto)	-0.06	0.34	-0.63	0.63	400	1
cor(Valuerating_Destination_country_mas,Valuerating_Destination_country_lto)	-0.11	0.34	-0.7	0.55	400	1
cor(Valuerating_Destination_country_uai,Valuerating_Destination_country_lto)	-0.09	0.36	-0.72	0.61	400	1
cor(Valuerating_Intercept,Valuerating_Destination_country_ivr)	-0.07	0.35	-0.74	0.62	359	1
cor(Valuerating_Destination_country_pdi,Valuerating_Destination_country_ivr)	-0.03	0.35	-0.65	0.67	400	1
cor(Valuerating_Destination_country_idv,Valuerating_Destination_country_ivr)	-0.14	0.36	-0.79	0.57	381	1
cor(Valuerating_Destination_country_mas,Valuerating_Destination_country_ivr)	-0.03	0.35	-0.66	0.63	400	1
cor(Valuerating_Destination_country_uai,Valuerating_Destination_country_ivr)	-0.01	0.36	-0.66	0.63	400	1
cor(Valuerating_Destination_country_lto,Valuerating_Destination_country_ivr)	0.03	0.34	-0.65	0.62	400	1

~Visitors_country_name:Reviewer_id (Number of levels: 29617)

	Estimate	Est. Error	l-95% CI	u-95% CI	Eff. Sample	Rhat
sd(Overallrating_Intercept)	0.09	0.05	0.01	0.17	61	1
sd(Locationrating_Intercept)	0.17	0.07	0.02	0.26	49	1.04
sd(Cleanlinessrating_Intercept)	0.07	0.04	0	0.15	117	1.03
sd(Roomsrating_Intercept)	0.05	0.04	0	0.14	108	1
sd(Servicerating_Intercept)	0.1	0.06	0	0.2	118	1.01
sd(Sleepqualityrating_Intercept)	0.12	0.06	0.01	0.23	101	1.06
sd(Valuerating_Intercept)	0.13	0.06	0.02	0.23	68	1.01

Population-Level Effects:

	Estimate	Est. Error	l-95% CI	u-95% CI	Eff. Sample	Rhat
Overallrating_Intercept	4.14	0.12	3.91	4.41	400	1.01
Locationrating_Intercept	4.3	0.18	3.97	4.66	376	1.01
Cleanlinessrating_Intercept	4.24	0.13	3.94	4.49	332	1
Roomsrating_Intercept	4.09	0.14	3.83	4.35	400	1
Servicerating_Intercept	4.26	0.15	3.98	4.57	366	1

Sleepqualityrating_Intercept	4.3	0.13	4.04	4.57	400	1
Valuerating_Intercept	4.07	0.15	3.77	4.36	339	1.01
Overallrating_Date_of_review	0.04	0	0.04	0.05	400	1
Overallrating_Trip_typeSolo	0.07	0.03	0.03	0.13	400	1
Overallrating_Trip_typeFriends	0.08	0.02	0.04	0.12	396	1
Overallrating_Trip_typeCouple	0.25	0.02	0.22	0.28	371	1
Overallrating_Trip_typeFamily	0.18	0.02	0.15	0.22	368	1
Overallrating_Visitors_country_pdi	0.31	0.1	0.12	0.51	400	1
Overallrating_Destination_country_pdi	0.02	0.09	-0.15	0.19	386	1
Overallrating_Visitors_country_idv	0.11	0.06	-0.02	0.24	400	1
Overallrating_Destination_country_idv	-0.31	0.08	-0.45	-0.16	400	1
Overallrating_Visitors_country_mas	-0.07	0.08	-0.25	0.1	400	1
Overallrating_Destination_country_mas	0.05	0.09	-0.14	0.22	400	1
Overallrating_Visitors_country_uai	0.05	0.08	-0.09	0.2	400	1
Overallrating_Destination_country_uai	0.16	0.07	0.02	0.28	400	1
Overallrating_Visitors_country_lto	-0.04	0.09	-0.2	0.15	323	1
Overallrating_Destination_country_lto	0.15	0.08	-0.01	0.32	364	1
Overallrating_Visitors_country_ivr	-0.06	0.12	-0.32	0.16	400	1.02
Overallrating_Destination_country_ivr	-0.64	0.13	-0.89	-0.41	400	1
Overallrating_Visitors_country_pdi:Destination_country_pdi	-0.5	0.15	-0.76	-0.22	400	1
Overallrating_Visitors_country_idv:Destination_country_idv	0.09	0.09	-0.08	0.26	393	1
Overallrating_Visitors_country_mas:Destination_country_mas	0.14	0.15	-0.16	0.47	400	1
Overallrating_Visitors_country_uai:Destination_country_uai	-0.23	0.11	-0.43	-0.01	399	1
Overallrating_Visitors_country_lto:Destination_country_lto	-0.1	0.14	-0.38	0.16	400	1
Overallrating_Visitors_country_ivr:Destination_country_ivr	0.48	0.2	0.11	0.86	400	1.01
Locationrating_Date_of_review	0.04	0	0.03	0.04	351	1
Locationrating_Trip_typeSolo	0.04	0.02	0	0.08	400	1
Locationrating_Trip_typeFriends	0.07	0.02	0.04	0.11	400	1
Locationrating_Trip_typeCouple	0.15	0.01	0.12	0.17	340	1
Locationrating_Trip_typeFamily	0.12	0.01	0.09	0.15	322	1
Locationrating_Visitors_country_pdi	-0.09	0.09	-0.27	0.09	400	1.01
Locationrating_Destination_country_pdi	-0.11	0.15	-0.43	0.16	377	1
Locationrating_Visitors_country_idv	0.04	0.07	-0.1	0.16	284	1.01
Locationrating_Destination_country_idv	0.14	0.12	-0.08	0.36	381	1
Locationrating_Visitors_country_mas	-0.15	0.08	-0.3	-0.01	400	1
Locationrating_Destination_country_mas	-0.19	0.12	-0.42	0.05	400	1
Locationrating_Visitors_country_uai	0.03	0.07	-0.1	0.16	359	1
Locationrating_Destination_country_uai	0.21	0.1	0	0.38	400	1
Locationrating_Visitors_country_lto	-0.17	0.09	-0.33	0.01	318	1
Locationrating_Destination_country_lto	0.09	0.11	-0.14	0.31	377	1
Locationrating_Visitors_country_ivr	-0.09	0.12	-0.31	0.16	346	1.01

Locationrating_Destination_country_ivr	-0.09	0.16	-0.44	0.19	400	1
Locationrating_Visitors_country_pdi:Destination_country_pdi	0.08	0.13	-0.17	0.32	400	1
Locationrating_Visitors_country_idv:Destination_country_idv	0	0.08	-0.14	0.16	389	1
Locationrating_Visitors_country_mas:Destination_country_mas	0.28	0.12	0.04	0.51	400	1
Locationrating_Visitors_country_uai:Destination_country_uai	-0.07	0.09	-0.24	0.11	373	1
Locationrating_Visitors_country_lto:Destination_country_lto	0.15	0.14	-0.12	0.45	347	1
Locationrating_Visitors_country_ivr:Destination_country_ivr	0.31	0.18	-0.07	0.65	400	1.02
Cleanlinessrating_Date_of_review	0.02	0	0.01	0.03	400	1
Cleanlinessrating_Trip_typeSolo	0.03	0.02	-0.02	0.08	400	1.01
Cleanlinessrating_Trip_typeFriends	-0.01	0.02	-0.05	0.03	400	1
Cleanlinessrating_Trip_typeCouple	0.16	0.02	0.13	0.19	400	1
Cleanlinessrating_Trip_typeFamily	0.08	0.02	0.05	0.12	400	1
Cleanlinessrating_Visitors_country_pdi	0.34	0.1	0.14	0.55	400	1
Cleanlinessrating_Destination_country_pdi	-0.07	0.1	-0.25	0.12	392	1
Cleanlinessrating_Visitors_country_idv	0.17	0.06	0.04	0.27	380	1
Cleanlinessrating_Destination_country_idv	-0.24	0.08	-0.4	-0.09	322	1
Cleanlinessrating_Visitors_country_mas	-0.03	0.08	-0.19	0.13	390	1
Cleanlinessrating_Destination_country_mas	0.15	0.09	-0.04	0.31	400	1
Cleanlinessrating_Visitors_country_uai	0.06	0.07	-0.07	0.21	400	1
Cleanlinessrating_Destination_country_uai	0.22	0.07	0.09	0.36	385	1
Cleanlinessrating_Visitors_country_lto	-0.11	0.09	-0.28	0.05	400	1
Cleanlinessrating_Destination_country_lto	0.2	0.09	0.04	0.37	352	1.01
Cleanlinessrating_Visitors_country_ivr	-0.03	0.12	-0.28	0.2	400	1
Cleanlinessrating_Destination_country_ivr	-0.63	0.13	-0.87	-0.38	400	1
Cleanlinessrating_Visitors_country_pdi:Destination_country_pdi	-0.49	0.15	-0.8	-0.19	400	1
Cleanlinessrating_Visitors_country_idv:Destination_country_idv	0.05	0.1	-0.14	0.23	359	1
Cleanlinessrating_Visitors_country_mas:Destination_country_mas	-0.04	0.14	-0.29	0.23	400	1
Cleanlinessrating_Visitors_country_uai:Destination_country_uai	-0.28	0.11	-0.49	-0.04	384	1
Cleanlinessrating_Visitors_country_lto:Destination_country_lto	-0.05	0.14	-0.32	0.22	400	1.01
Cleanlinessrating_Visitors_country_ivr:Destination_country_ivr	0.6	0.2	0.21	0.97	400	1
Roomsrating_Date_of_review	0.04	0	0.03	0.05	400	1.01
Roomsrating_Trip_typeSolo	0.05	0.03	0.01	0.11	400	1
Roomsrating_Trip_typeFriends	0.04	0.02	-0.01	0.08	400	1
Roomsrating_Trip_typeCouple	0.21	0.02	0.18	0.25	400	1
Roomsrating_Trip_typeFamily	0.17	0.02	0.13	0.21	400	1
Roomsrating_Visitors_country_pdi	0.35	0.1	0.17	0.57	400	1
Roomsrating_Destination_country_pdi	0.06	0.11	-0.14	0.27	400	1
Roomsrating_Visitors_country_idv	0.12	0.07	-0.03	0.25	400	1
Roomsrating_Destination_country_idv	-0.43	0.09	-0.6	-0.24	284	1
Roomsrating_Visitors_country_mas	-0.09	0.08	-0.24	0.07	400	1
Roomsrating_Destination_country_mas	0.1	0.1	-0.08	0.29	400	1

Roomsrating_Visitors_country_uai	-0.02	0.08	-0.17	0.13	400	1
Roomsrating_Destination_country_uai	0.09	0.09	-0.07	0.26	400	1
Roomsrating_Visitors_country_lto	-0.05	0.09	-0.22	0.13	296	1
Roomsrating_Destination_country_lto	0	0.09	-0.16	0.19	364	1
Roomsrating_Visitors_country_ivr	0.08	0.13	-0.17	0.31	400	1.01
Roomsrating_Destination_country_ivr	-0.6	0.13	-0.86	-0.33	400	1
Roomsrating_Visitors_country_pdi:Destination_country_pdi	-0.46	0.16	-0.77	-0.19	400	1
Roomsrating_Visitors_country_idv:Destination_country_idv	0.19	0.09	0	0.39	348	1
Roomsrating_Visitors_country_mas:Destination_country_mas	0.13	0.15	-0.15	0.42	400	1
Roomsrating_Visitors_country_uai:Destination_country_uai	-0.08	0.12	-0.31	0.16	400	1
Roomsrating_Visitors_country_lto:Destination_country_lto	-0.05	0.14	-0.33	0.22	400	1
Roomsrating_Visitors_country_ivr:Destination_country_ivr	0.38	0.21	0.01	0.82	400	1
Servicerating_Date_of_review	0.07	0.01	0.06	0.08	400	1
Servicerating_Trip_typeSolo	0.06	0.03	0.01	0.11	320	1.01
Servicerating_Trip_typeFriends	0.02	0.02	-0.02	0.06	400	1
Servicerating_Trip_typeCouple	0.17	0.02	0.14	0.21	400	1
Servicerating_Trip_typeFamily	0.12	0.02	0.08	0.16	400	1
Servicerating_Visitors_country_pdi	0.35	0.11	0.14	0.55	400	1
Servicerating_Destination_country_pdi	-0.09	0.1	-0.28	0.13	400	1
Servicerating_Visitors_country_idv	0.27	0.08	0.12	0.43	290	1
Servicerating_Destination_country_idv	-0.27	0.09	-0.43	-0.12	400	1.01
Servicerating_Visitors_country_mas	-0.12	0.1	-0.32	0.06	389	1
Servicerating_Destination_country_mas	0.13	0.1	-0.09	0.33	400	1.01
Servicerating_Visitors_country_uai	0.07	0.08	-0.08	0.22	400	1
Servicerating_Destination_country_uai	0.07	0.08	-0.08	0.23	388	1
Servicerating_Visitors_country_lto	0.04	0.1	-0.15	0.26	400	1
Servicerating_Destination_country_lto	0.12	0.1	-0.1	0.3	400	1
Servicerating_Visitors_country_ivr	0.01	0.13	-0.27	0.25	400	1.01
Servicerating_Destination_country_ivr	-0.65	0.14	-0.91	-0.37	400	1
Servicerating_Visitors_country_pdi:Destination_country_pdi	-0.44	0.16	-0.76	-0.12	400	1
Servicerating_Visitors_country_idv:Destination_country_idv	0.02	0.1	-0.17	0.22	392	1
Servicerating_Visitors_country_mas:Destination_country_mas	0.02	0.15	-0.3	0.33	400	1
Servicerating_Visitors_country_uai:Destination_country_uai	-0.17	0.12	-0.39	0.06	400	1
Servicerating_Visitors_country_lto:Destination_country_lto	-0.2	0.17	-0.51	0.12	400	1
Servicerating_Visitors_country_ivr:Destination_country_ivr	0.52	0.22	0.06	0.95	400	1
Sleepqualityrating_Date_of_review	0.06	0	0.05	0.07	386	1
Sleepqualityrating_Trip_typeSolo	0.05	0.03	0	0.1	369	1.01
Sleepqualityrating_Trip_typeFriends	0.03	0.02	-0.02	0.06	371	1
Sleepqualityrating_Trip_typeCouple	0.17	0.02	0.14	0.21	391	1
Sleepqualityrating_Trip_typeFamily	0.1	0.02	0.07	0.14	352	1
Sleepqualityrating_Visitors_country_pdi	0.38	0.11	0.17	0.59	400	1

Sleepqualityrating_Destination_country_pdi	-0.01	0.1	-0.19	0.18	400	1
Sleepqualityrating_Visitors_country_idv	0.19	0.07	0.06	0.32	357	1
Sleepqualityrating_Destination_country_idv	-0.3	0.08	-0.45	-0.12	369	1
Sleepqualityrating_Visitors_country_mas	-0.09	0.09	-0.25	0.1	364	1
Sleepqualityrating_Destination_country_mas	0.04	0.09	-0.15	0.24	334	1
Sleepqualityrating_Visitors_country_uai	0.04	0.08	-0.11	0.2	400	1
Sleepqualityrating_Destination_country_uai	0.01	0.08	-0.14	0.16	400	1
Sleepqualityrating_Visitors_country_lto	-0.02	0.09	-0.2	0.15	400	1
Sleepqualityrating_Destination_country_lto	0.12	0.09	-0.04	0.28	389	1
Sleepqualityrating_Visitors_country_ivr	-0.09	0.13	-0.35	0.15	400	1
Sleepqualityrating_Destination_country_ivr	-0.62	0.13	-0.88	-0.36	400	1
Sleepqualityrating_Visitors_country_pdi:Destination_country_pdi	-0.42	0.16	-0.74	-0.12	400	1
Sleepqualityrating_Visitors_country_idv:Destination_country_idv	0.03	0.1	-0.16	0.23	364	1
Sleepqualityrating_Visitors_country_mas:Destination_country_mas	0.15	0.16	-0.15	0.46	396	1
Sleepqualityrating_Visitors_country_uai:Destination_country_uai	-0.11	0.12	-0.34	0.11	398	1
Sleepqualityrating_Visitors_country_lto:Destination_country_lto	-0.16	0.14	-0.43	0.14	332	1
Sleepqualityrating_Visitors_country_ivr:Destination_country_ivr	0.57	0.22	0.15	1.01	400	1
Valuerating_Date_of_review	0.04	0.01	0.04	0.06	400	1
Valuerating_Trip_typeSolo	0.17	0.03	0.13	0.22	362	1.01
Valuerating_Trip_typeFriends	0.18	0.02	0.14	0.23	383	1
Valuerating_Trip_typeCouple	0.27	0.02	0.23	0.31	391	1
Valuerating_Trip_typeFamily	0.22	0.02	0.18	0.26	400	1
Valuerating_Visitors_country_pdi	0.35	0.1	0.15	0.55	400	1
Valuerating_Destination_country_pdi	-0.12	0.11	-0.35	0.1	364	1
Valuerating_Visitors_country_idv	0.15	0.07	0.02	0.27	380	1
Valuerating_Destination_country_idv	-0.31	0.09	-0.47	-0.11	400	1
Valuerating_Visitors_country_mas	-0.19	0.08	-0.34	-0.02	400	1
Valuerating_Destination_country_mas	0.07	0.11	-0.14	0.28	400	1
Valuerating_Visitors_country_uai	0.03	0.08	-0.12	0.19	400	1
Valuerating_Destination_country_uai	0.19	0.09	0.02	0.36	364	1
Valuerating_Visitors_country_lto	-0.02	0.09	-0.2	0.15	400	1
Valuerating_Destination_country_lto	0.12	0.1	-0.08	0.3	382	1
Valuerating_Visitors_country_ivr	0.06	0.14	-0.21	0.32	400	1.01
Valuerating_Destination_country_ivr	-0.71	0.16	-0.99	-0.44	367	1.01
Valuerating_Visitors_country_pdi:Destination_country_pdi	-0.46	0.15	-0.77	-0.16	396	1
Valuerating_Visitors_country_idv:Destination_country_idv	0.12	0.1	-0.06	0.31	375	1
Valuerating_Visitors_country_mas:Destination_country_mas	0.19	0.16	-0.12	0.49	400	1
Valuerating_Visitors_country_uai:Destination_country_uai	-0.17	0.12	-0.4	0.06	395	1
Valuerating_Visitors_country_lto:Destination_country_lto	-0.1	0.15	-0.39	0.19	400	1
Valuerating_Visitors_country_ivr:Destination_country_ivr	0.38	0.22	-0.02	0.81	400	1.01

Family Specific Parameters:

	Estimate	Est. Error	l-95% CI	u-95% CI	Eff. Sample	Rhat
sigma(Overallrating)	0.98	0.01	0.97	0.99	110	1
sigma(Locationrating)	0.71	0.01	0.69	0.74	53	1.04
sigma(Cleanlinessrating)	0.92	0.01	0.9	0.93	220	1
sigma(Roomsrating)	1	0.01	0.99	1.01	195	1
sigma(Servicerating)	1.01	0.01	0.99	1.02	169	1.01
sigma(Sleepqualityrating)	1.01	0.01	0.99	1.03	89	1.05
sigma(Valuerating)	1	0.01	0.98	1.02	83	1
rescor(Overallrating,Locationrating)	0.53	0.01	0.51	0.55	57	1.02
rescor(Overallrating,Cleanlinessrating)	0.75	0.01	0.74	0.76	89	1.01
rescor(Locationrating,Cleanlinessrating)	0.45	0.01	0.44	0.47	71	1.02
rescor(Overallrating,Roomsrating)	0.8	0.01	0.8	0.81	92	1
rescor(Locationrating,Roomsrating)	0.47	0.01	0.45	0.49	67	1.02
rescor(Cleanlinessrating,Roomsrating)	0.73	0	0.72	0.74	164	1
rescor(Overallrating,Servicerating)	0.8	0.01	0.79	0.81	91	1.02
rescor(Locationrating,Servicerating)	0.46	0.01	0.44	0.48	70	1.02
rescor(Cleanlinessrating,Servicerating)	0.67	0.01	0.66	0.68	56	1.03
rescor(Roomsrating,Servicerating)	0.67	0.01	0.66	0.68	131	1.01
rescor(Overallrating,Sleepqualityrating)	0.74	0.01	0.73	0.76	112	1.04
rescor(Locationrating,Sleepqualityrating)	0.44	0.01	0.42	0.46	75	1.01
rescor(Cleanlinessrating,Sleepqualityrating)	0.68	0.01	0.67	0.7	125	1.04
rescor(Roomsrating,Sleepqualityrating)	0.73	0.01	0.72	0.75	126	1.04
rescor(Servicerating,Sleepqualityrating)	0.63	0.01	0.62	0.65	123	1.03
rescor(Overallrating,Valuerating)	0.78	0.01	0.77	0.8	70	1
rescor(Locationrating,Valuerating)	0.48	0.01	0.46	0.5	57	1.02
rescor(Cleanlinessrating,Valuerating)	0.65	0.01	0.64	0.67	132	1.01
rescor(Roomsrating,Valuerating)	0.7	0.01	0.69	0.71	132	1
rescor(Servicerating,Valuerating)	0.7	0.01	0.68	0.71	103	1.01
rescor(Sleepqualityrating,Valuerating)	0.66	0.01	0.65	0.67	128	1.01