Anomaly Detection Report

Summary

Total Anomalies: 103
Generated: 2025-09-18 16:49:30.140666
Rule Violations: {'high_price_high_km': 96, 'high_price_old_car': 6, 'high_price_old_car, high_price_high_km': 1}
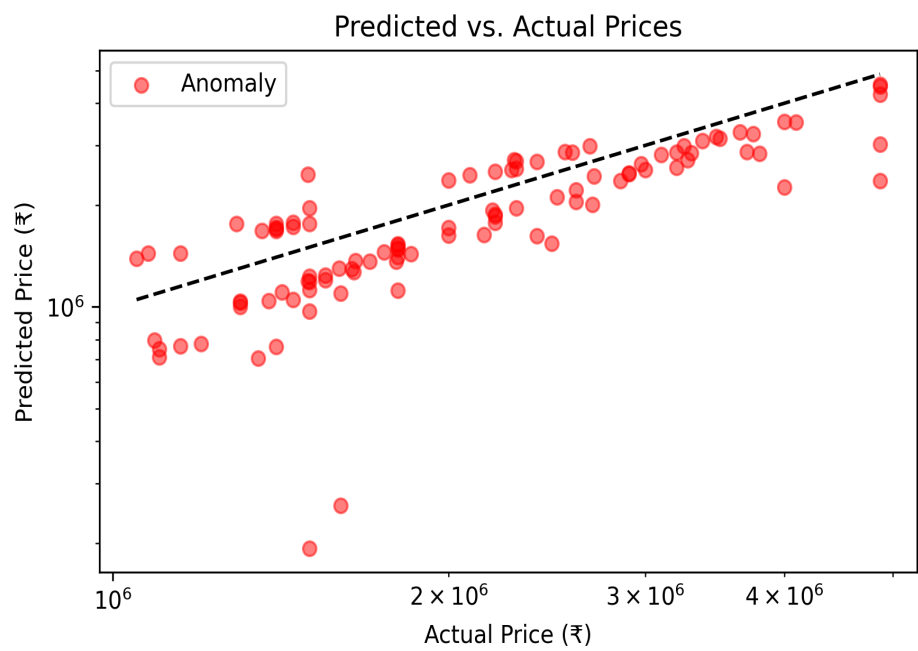
Anomaly Details

model	oem	listed_price	predicted_price	residual	km	car_age	rule_violations
toyota land cruiser	toyota	₹4,872,000	₹2,356,049	₹2,515,951	162,000	12	high_price_high_km
mercedes-benz s-class	mercedes-benz	₹4,872,000	₹3,024,067	₹1,847,933	60,000	18	high_price_old_car
hummer h3	hummer	₹4,000,000	₹2,259,727	₹1,740,273	51,066	18	high_price_old_car
maruti wagon r	maruti	₹1,600,000	₹258,335	₹1,341,665	84,994	16	high_price_old_car
mahindra bolero	mahindra	₹1,500,000	₹193,036	₹1,306,964	191,783	19	high_price_old_car, high_price_high_km
bmw 6 series	bmw	₹1,495,000	₹2,463,093	₹968,093	38,000	17	high_price_old_car
mercedes-benz gle	mercedes-benz	₹3,800,000	₹2,834,956	₹965,044	112,297	10	high_price_high_km
toyota fortuner	toyota	₹2,475,000	₹1,536,136	₹938,864	180,000	11	high_price_high_km
land rover range rover sport	land rover	₹3,700,000	₹2,877,535	₹822,465	128,000	14	high_price_high_km
volvo xc60	volvo	₹2,400,000	₹1,622,207	₹777,793	120,000	10	high_price_high_km
bmw x5	bmw	₹2,690,000	₹2,001,555	₹688,445	130,000	11	high_price_high_km
skoda octavia	skoda	₹1,800,000	₹1,116,151	₹683,849	102,844	9	high_price_high_km
tata hexa	tata	₹1,350,000	₹703,553	₹646,447	80,000	17	high_price_old_car
hyundai santa fe	hyundai	₹1,400,000	₹760,754	₹639,246	141,494	13	high_price_high_km
mercedes-benz gle	mercedes-benz	₹4,872,000	₹4,248,454	₹623,546	119,980	7	high_price_high_km
bmw 7 series	bmw	₹3,200,000	₹2,585,491	₹614,509	133,273	11	high_price_high_km
mercedes-benz e-class	mercedes-benz	₹4,098,043	₹3,514,680	₹583,363	115,372	7	high_price_high_km
porsche cayenne	porsche	₹3,275,000	₹2,716,313	₹558,687	101,995	12	high_price_high_km
mercedes-benz c-class	mercedes-benz	₹2,600,000	₹2,047,766	₹552,234	119,842	9	high_price_high_km
audi a4	audi	₹1,500,000	₹970,471	₹529,529	120,000	13	high_price_high_km
mercedes-benz e-class	mercedes-benz	₹2,150,000	₹1,630,393	₹519,607	101,000	12	high_price_high_km
toyota fortuner	toyota	₹3,750,000	₹3,243,125	₹506,875	134,000	6	high_price_high_km
mahindra xuv500	mahindra	₹1,600,000	₹1,097,651	₹502,349	102,605	8	high_price_high_km
toyota fortuner	toyota	₹2,850,000	₹2,356,481	₹493,519	191,783	8	high_price_high_km
bmw 5 series	bmw	₹1,290,000	₹1,763,615	₹473,615	102,000	11	high_price_high_km
bmw x5	bmw	₹4,000,000	₹3,527,638	₹472,362	112,411	8	high_price_high_km
toyota fortuner	toyota	₹3,000,000	₹2,540,963	₹459,037	120,000	2	high_price_high_km
volvo xc 90	volvo	₹1,500,000	₹1,956,061	₹456,061	191,783	9	high_price_high_km

mercedes-benz glc	mercedes-benz	■3,300,000	■2,845,430	■454,570	120,036	9	high_price_high_km
mercedes-benz c-class	mercedes-benz	■1,795,000	■1,360,251	■434,749	102,000	11	high_price_high_km
skoda kodiaq	skoda	■2,900,000	■2,469,505	■430,495	125,000	8	high_price_high_km
mercedes-benz gle	mercedes-benz	■2,288,244	■2,716,613	■428,369	111,659	10	high_price_high_km
audi q3	audi	■2,200,000	■1,774,363	■425,637	110,000	9	high_price_high_km
bmw x1	bmw	■1,200,000	■777,708	■422,292	128,428	12	high_price_high_km
audi a4	audi	■1,850,000	■1,432,134	■417,866	110,000	11	high_price_high_km
toyota fortuner	toyota	■2,900,000	■2,482,512	■417,488	120,000	7	high_price_high_km
audi q3	audi	■1,450,000	■1,050,459	■399,541	131,000	11	high_price_high_km
jeep compass	jeep	■1,800,000	■1,404,364	■395,636	120,102	8	high_price_high_km
bentley continental	bentley	■4,872,000	■4,478,665	■393,335	95,000	16	high_price_old_car
land rover discovery sport	land rover	■2,300,000	■2,692,754	■392,754	110,000	9	high_price_high_km
audi q5	audi	■2,500,000	■2,108,393	■391,607	106,000	10	high_price_high_km
mahindra ssangyong rexton	mahindra ssangyong	■1,100,000	■710,396	■389,604	105,858	11	high_price_high_km
mercedes-benz e-class	mercedes-benz	■1,150,000	■765,865	■384,135	120,000	15	high_price_high_km
bmw x1	bmw	■2,600,000	■2,216,534	■383,466	105,023	8	high_price_high_km
jeep compass	jeep	■1,500,000	■1,122,536	■377,464	127,520	8	high_price_high_km
mercedes-benz s-class	mercedes-benz	■1,645,127	■1,270,533	■374,594	116,451	15	high_price_high_km
audi q7	audi	■3,650,000	■3,279,198	■370,802	150,000	9	high_price_high_km
volvo xc90	volvo	■2,000,000	■1,629,492	■370,508	120,712	13	high_price_high_km
audi q5	audi	■1,075,000	■1,441,878	■366,878	120,000	11	high_price_high_km
mercedes-benz m-class	mercedes-benz	■2,000,000	■2,364,016	■364,016	118,523	10	high_price_high_km
porsche cayenne	porsche	■2,088,000	■2,450,566	■362,566	114,000	12	high_price_high_km
toyota fortuner	toyota	■1,400,000	■1,757,643	■357,643	180,000	10	high_price_high_km
bmw x5	bmw	■3,500,000	■3,147,141	■352,859	158,683	10	high_price_high_km
toyota innova	toyota	■1,100,000	■750,182	■349,818	150,000	11	high_price_high_km
isuzu d-max	isuzu	■1,550,000	■1,201,369	■348,631	127,000	8	high_price_high_km
toyota fortuner	toyota	■2,200,000	■1,854,225	■345,775	143,000	9	high_price_high_km
mg hector	mg	■1,637,992	■1,294,927	■343,065	106,213	6	high_price_high_km
audi q7	audi	■2,300,000	■1,958,766	■341,234	135,000	12	high_price_high_km
toyota fortuner	toyota	■3,200,000	■2,859,474	■340,526	108,000	7	high_price_high_km

toyota fortuner	toyota	■1,380,000	■1,041,697	■338,303	191,783	14	high_price_high_km
bmw x5	bmw	■1,050,000	■1,388,181	■338,181	139,960	12	high_price_high_km
bmw 3 series	bmw	■1,700,000	■1,362,905	■337,095	108,000	11	high_price_high_km
mercedes-benz gls	mercedes-benz	■4,872,000	■4,541,109	■330,891	191,783	7	high_price_high_km
jaguar xj	jaguar	■2,974,197	■2,643,939	■330,258	103,263	13	high_price_high_km
land rover range rover evoque	land rover	■2,540,769	■2,868,048	■327,279	113,952	8	high_price_high_km
mercedes-benz c-class	mercedes-benz	■2,200,000	■1,874,333	■325,667	105,000	10	high_price_high_km
audi q3	audi	■1,800,000	■1,476,758	■323,242	110,000	11	high_price_high_km
bmw 5 series	bmw	■1,450,000	■1,771,881	■321,881	100,011	12	high_price_high_km
mercedes-benz s-class	mercedes-benz	■1,360,621	■1,680,788	■320,167	103,303	13	high_price_high_km
bmw 3 series gt	bmw	■2,200,000	■2,516,155	■316,155	112,781	8	high_price_high_km
toyota fortuner	toyota	■1,400,000	■1,715,537	■315,537	120,000	10	high_price_high_km
audi a3	audi	■1,500,000	■1,186,577	■313,423	101,657	11	high_price_high_km
isuzu d-max	isuzu	■1,550,000	■1,238,805	■311,195	105,000	9	high_price_high_km
honda city	honda	■1,417,000	■1,105,942	■311,058	191,783	5	high_price_high_km
mahindra xuv500	mahindra	■1,800,000	■1,490,448	■309,552	104,049	6	high_price_high_km
toyota fortuner	toyota	■2,675,000	■2,983,457	■308,457	153,000	7	high_price_high_km
mercedes-benz e-class	mercedes-benz	■1,495,707	■1,189,050	■306,657	102,615	13	high_price_high_km
ford endeavour	ford	■1,400,000	■1,701,645	■301,645	141,000	9	high_price_high_km
mitsubishi pajero	mitsubishi	■1,300,000	■1,002,157	■297,843	115,332	12	high_price_high_km
toyota fortuner	toyota	■1,750,000	■1,453,469	■296,531	152,693	11	high_price_high_km
volvo xc60	volvo	■1,595,000	■1,300,343	■294,657	165,446	12	high_price_high_km
bmw x1	bmw	■1,090,000	■796,600	■293,400	135,000	14	high_price_high_km
audi q7	audi	■3,475,000	■3,184,610	■290,390	110,000	9	high_price_high_km
bmw 7 series	bmw	■1,150,000	■1,436,517	■286,517	120,000	14	high_price_high_km
audi a4	audi	■2,000,000	■1,714,943	■285,057	122,566	10	high_price_high_km
bmw x5	bmw	■2,400,000	■2,682,954	■282,954	156,032	9	high_price_high_km
land rover discovery sport	land rover	■2,580,000	■2,862,844	■282,844	109,000	10	high_price_high_km
bmw 5 series	bmw	■1,650,000	■1,369,719	■280,281	158,156	14	high_price_high_km
land rover discovery sport	land rover	■3,100,000	■2,820,909	■279,091	150,000	8	high_price_high_km
mercedes-benz cla	mercedes-benz	■1,450,000	■1,728,968	■278,968	144,496	9	high_price_high_km

toyota innova crysta	toyota	■1,400,000	■1,678,798	■278,798	148,954	8	high_price_high_km
bmw 3 series	bmw	■1,800,000	■1,522,183	■277,817	130,000	12	high_price_high_km
toyota fortuner	toyota	■3,375,000	■3,098,455	■276,545	101,800	7	high_price_high_km
tata hexa	tata	■1,300,000	■1,030,763	■269,237	102,142	8	high_price_high_km
toyota fortuner	toyota	■1,500,000	■1,230,903	■269,097	112,538	12	high_price_high_km
toyota fortuner	toyota	■2,275,979	■2,542,481	■266,502	115,050	8	high_price_high_km
audi a4	audi	■1,300,000	■1,035,270	■264,730	122,000	12	high_price_high_km
ford endeavour	ford	■3,250,000	■2,985,535	■264,465	141,000	5	high_price_high_km
audi q5	audi	■1,800,000	■1,535,850	■264,150	115,000	11	high_price_high_km
toyota fortuner	toyota	■2,300,000	■2,562,759	■262,759	191,783	8	high_price_high_km
land rover range rover	land rover	■2,700,000	■2,437,366	■262,634	120,000	13	high_price_high_km
mercedes-benz m-class	mercedes-benz	■2,190,000	■1,929,916	■260,084	191,783	11	high_price_high_km
jaguar xf	jaguar	■1,500,000	■1,758,995	■258,995	115,576	11	high_price_high_km

Predicted vs. Actual Prices

Predicted vs. Actual Prices

SHAP Summary Plot

SHAP Summary for Anomalies