

Missões Espaciais (2000-2025)

Country	Year	Mission Name	Mission Type	Launch Site	Satellite Type	Budget (in Billion \$)	Success Rate (%)	Technology Used	Environmental Impact	Collaborating Countries	Duration (in Days)
China	2008	Shareable tertiary supers	Manned	Sheilatown	Communication	16.2	90	Nuclear Propulsio	Medium	France, UK, Russia	112
Japan	2018	Engineered composite	Manned	New Ericfurt	Communication	29.04	99	Solar Propulsion	High	Germany, Israel	236
Israel	2022	Active disintermediate	Manned	Port Kaitlynstad	Communication	28.73	54	AI Navigation	Medium	China, Israel, USA	238
UAE	Gr2010	Roots 6thgeneration im	Unmanned	Mariastad	Spy	37.27	58	Traditional Rocke	Low	USA	186
India		Balanced discrete orche	Manned	North Jasonboroug	Weather	18.95	91	Solar Propulsion	Medium	Israel, China, Indi	277
USA	2010	Down-sized holistic meth	Unmanned	North Kevin	Research	22.76	85	Nuclear Propulsio	Low	France	166
Germany	2011	Adaptive coherent def	Manned	Wilsonburgh	Spy	9.33	81	Solar Propulsion	High	Japan, Russia, Indi	203
India	2012	Innovative 6thgeneration	Unmanned	South William	Weather	6.62	69	Solar Propulsion	Low	India, UK, China	25
Israel	2024	Mass-focused exuding c	Manned	Edwardstad	Navigation	13.25	60	Solar Propulsion	Low	France, China	341
Israel	2001	Cross-group incremental	Unmanned	Port Carla	Communication	23.76	66	Reusable Rocket	High	Japan	107
France	2005	Reactive heuristic pricing	Unmanned	South Sarahton	Research	43.67	92	AI Navigation	Medium	India, China	117
UK	2007	Innovative client-server	Manned	Marcusborough	Spy	42.47	53	Solar Propulsion	Low	USA	56
Russia	2003	Upsized bifurcated congl	Unmanned	North Shannon	Communication	11.68	65	Traditional Rocke	High	Germany	219
China	2024	Public-key disintermediat	Manned	Kathrynmouth	Research	29.52	73	Traditional Rocke	Low	Israel, USA, Germa	303
UAE	Vision2002	Entered fresh-thinking p	Manned	Whiteside	Spy	37.86	90	Solar Propulsion	Low	Germany	246
India		Enterprise-wide heuristic kno	Unmanned	Rodriguezshire	Communication	25.79	61	Reusable Rocket	Low	Israel, France	208
Russia	2017	Innovative zero tolerance	Unmanned	West Katherinevill	Spy	21.53	71	Reusable Rocket	Medium	Germany, India	360
USA	2018	Digitized intangible end	Manned	New Cassandrasid	Navigation	4.22	73	Nuclear Propulsio	Medium	Japan, USA	155
Germany	2019	Organic tertiary acc	Manned	Lamville	Spy	47.41	75	Traditional Rocke	Low	USA	32
India	2025	Based context-sensitive	Unmanned	Popehaven	Research	35.59	50	Solar Propulsion	High	Israel, Germany, U	73

Objetos Próximos à Terra (NEOs)

id	name	est_diameter_min	est_diameter_max	relative_velocity	miss_distance	orbiting_body	sentry_object	absolute_magnitude	hazardous
2162635	2162635 (2000 SS164)	1.1982708007	2.6794149658	13569.24922418125	54839744.08284605	Earth	False	16.73	False
2277475	2277475 (2005 WK4)	0.2658	0.5943468684	73588.72666349816	1438126.52395093	Earth	False	20.0	True
2512244	2512244 (2015 YE18)	0.7220295577	1.6145071727	114258.6921290512	9798724.94045679	Earth	False	17.83	False
3596030	(2012 BV13)	0.096506147	0.2157943048	24764.30313800162	5434972.72075825	Earth	False	22.2	False
3667127	(2014 GE35)	0.2550086879	0.5702167609	42737.73376472644	6275567.00130072	Earth	False	20.09	True
54138696	(2021 GY23)	0.0363542322	0.0812905344	34297.58777830294	0585691.22792288	Earth	False	24.32	False
54189957	(2021 PY40)	0.1716148941	0.3837425691	27529.47230696732	9069121.41864897	Earth	False	20.95	False
54230078	(2021 XD6)	0.0053278866	0.0119135167	57544.47008273525	5115019.25807114	Earth	False	28.49	False
2088213	88213 (2001 AF2)	0.3503926411	0.7835017643	56625.21012236156	9035980.03881611	Earth	False	19.4	False
3766065	(2016 YM)	0.1058168859	0.2366137501	48425.84032879228	8355261.56076106	Earth	False	22.0	False
54049873	(2020 OT6)	0.2526707542	0.5649889822	58430.69719961298	8337496.94833664	Earth	False	20.11	True
54099949	(2020 XW4)	0.1529519353	0.3420109247	64393.92831646017	1983105.30586366	Earth	False	21.2	False
54104555	(2021 AW1)	0.0699125232	0.1563291544	38018.61529116556	2093021.60346941	Earth	False	22.9	False
54235433	(2022 AM)	0.0061454682	0.0137416847	24323.04614477821	4617585.59205566	Earth	False	28.18	False
2198752	198752 (2005 EA60)	0.2901048414	0.648694146	10402.00217802746	0789296.02771025	Earth	False	19.81	False
3069224	(2000 YT134)	0.4836764882	1.0815335068	74576.93076042015	9880809.89977076	Earth	False	18.7	False
3739154	(2016 AF2)	0.0069912523	0.0156329154	75486.09085355127	1387057.94968764	Earth	False	27.9	False
3795026	(2017 YU3)	0.04411182	0.0986370281	70770.5911443292	7717237.01764975	Earth	False	23.9	False
3797456	(2018 AN2)	0.0291443905	0.0651688382	42111.0440762083	9421282.18945745	Earth	False	24.8	False
3825138	(2018 LC3)	0.4619074603	1.0328564805	104810.0937203251	8832837.96115952	Earth	False	18.8	False

Estrelas

Temperature (K)	Luminosity (L/Lo)	Radius (R/Ro)	Absolute magnitude (Mv)	Star type	Star category	Star color	Spectral Class
3068	0.0024	0.17	16.12	0	Brown Dwarf	Red	M
3042	0.0005	0.1542	16.6	0	Brown Dwarf	Red	M
2600	0.0003	0.102	18.7	0	Brown Dwarf	Red	M
2800	0.0002	0.16	16.65	0	Brown Dwarf	Red	M
1939	0.000138	0.103	20.06	0	Brown Dwarf	Red	M
2840	0.00065	0.11	16.98	0	Brown Dwarf	Red	M
2637	0.00073	0.127	17.22	0	Brown Dwarf	Red	M
2600	0.0004	0.096	17.4	0	Brown Dwarf	Red	M
2650	0.00069	0.11	17.45	0	Brown Dwarf	Red	M
2700	0.00018	0.13	16.05	0	Brown Dwarf	Red	M
3600	0.0029	0.51	10.69	1	Red Dwarf	Red	M
3129	0.0122	0.3761	11.79	1	Red Dwarf	Red	M
3134	0.0004	0.196	13.21	1	Red Dwarf	Red	M
3628	0.0055	0.393	10.48	1	Red Dwarf	Red	M
2650	0.0006	0.14	11.782	1	Red Dwarf	Red	M
3340	0.0038	0.24	13.07	1	Red Dwarf	Red	M
2799	0.0018	0.16	14.79	1	Red Dwarf	Red	M
3692	0.00367	0.47	10.8	1	Red Dwarf	Red	M
3192	0.00362	0.1967	13.53	1	Red Dwarf	Red	M
3441	0.039	0.351	11.18	1	Red Dwarf	Red	M

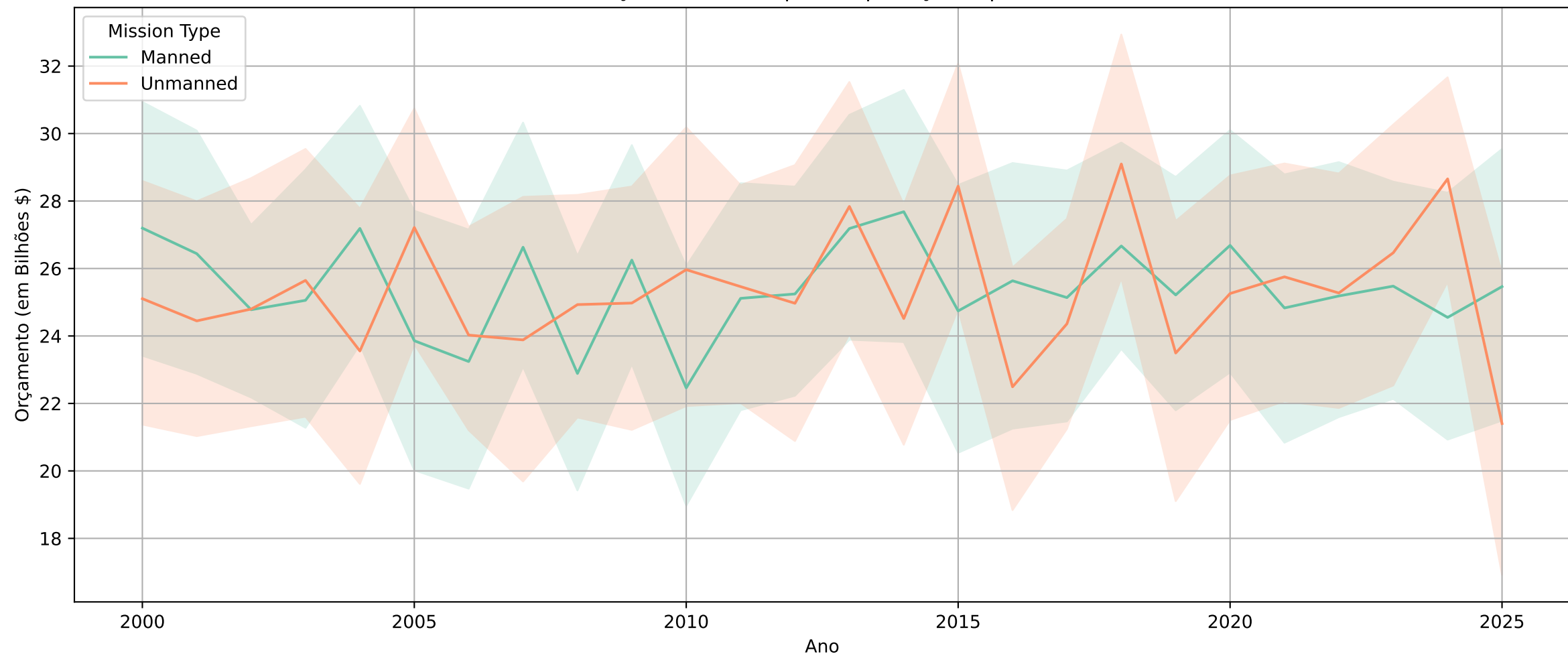
Exoplanetas

p_nam	stnar	snsy	dis	disci	teles	orb	orbsm	pl_rad	pl_rpl	bma	bpha	mass	d	orbec	insol	eqi	orbitv	fla	imp	pl_orst	spect	st_test	mast	lunst	log	rastr	ra	decst	decsy	dis	vnsy	km	mag	gr	synu	iamage
55 Cnc	5 Cnc	MEC	55 Cnc	55 Cnc	Keck	1073650	0.0154	1.875	0.167	7.99	0.0251	Mass	6.66	0.05	657.8	958.8	83.59	0	0.39	86.0	G8 V	172.0	0.91	0.197	4.815	21.33	-1.28	19.28	3298	12.585	9508	4.015	7.29	7.0000	0.0085	2
AU Mic	AU Mic	Exoplanet	30m31	30m31	Keck	1073650	0.0641	4.07	0.363	20.12	0.063	Mass	1.32	0.186	76.64	593.0	89.5	1	0.188	8.52	M1	3588.0	0.5	1.046	4.089	5.810	-29.10	20m31	1.342	9.722	8.81	4.529	8.400000	0.0007	31	
CoRoT-2	CoRoT-2	1	Q22 CoRoT	CoRoT	9.2428	0.09	9.416	0.843	66.6	4.3	Mass	8.87	0.591	80.81	1024.8	88.21	0	0.26	60.1	G2 V	880.0	1.14	0.17	0.653	0.957	-7.20	61.3	2688	14.06	14.63	2.51	14.460000	0.0004	12		
CoRoT-2	CoRoT-2	1	Q22 CoRoT	CoRoT	4.03789	0.0494	5.55	1.388	48.4	0.467	Mass	0.217	0.097	86.21	438.8	85.83	0	0.755	128.3	F9 V	6100.0	1.0	0.18	0.619	5.100	-20.02	48.05	1528	82.47	4.04	12.54	13.900000	0.0004	18		
2EP82	21182	1	Q95 K2	Kepler	21.17010	0.1191	1.92	0.171	4.35	0.03	Relatio	3.38	0.06	3.5	431.0	89.73	0	0.38	0.0	M0	4057.0	0.62	1.153	0.874	1.180	-41.02	38.17	2639	986.19	5.131	1.42	4.526000	0.0003	23		
2EP82	21194	1	Q95 K2	Kepler	19.4920	0.1491	5.76	0.514	27.0	0.0849	Mass	0.65	0.0	31.91	817.0	87.9	0	0.58	90.0	G0	6069.0	1.17	0.373	0.920	6.136	-57.92	24.19	4020	181.61	0.15	8.837	0.050000	0.0003	72		
2EP82	22067	1	Q95 K2	Kepler	13.339	0.1081	2.836	0.253	8.9	0.028	Mass	2.12	0.13	70.0	805.0	89.35	0	0.31	178.0	G5 V	532.0	0.95	0.119	0.055	2.113	-9.80	47.10	7947	144.51	2.101	0.34	1.956000	0.0002	22		
2EP89	24989	1	Q95 K2	Kepler	3.595	0.0471	1.95	0.174	8.75	0.0275	Mass	6.39	0.061	1037.1	1616.8	86.14	0	0.42	225.0	G8 IV	5430.0	1.05	0.356	3.591	2.228	-2.46	23.18	7246	21.29	1.42	9.714	1.400000	0.0004	95		
2EP89	24989	1	Q95 K2	Kepler	15.62	0.13	3.67	0.327	14.60	0.0461	Mass	1.62	0.07	160.0	990.0	87.94	0	0.6	217.0	G8 IV	5430.0	1.05	0.356	3.591	2.228	-2.46	23.18	7246	21.29	1.42	9.714	1.400000	0.0004	95		
2EP89	24989	1	Q95 K2	Kepler	35.74	0.22	3.94	0.352	10.16	0.0320	Mass	0.91	0.15	53.0	752.0	89.47	0	0.25	181.0	G8 IV	5430.0	1.05	0.356	3.591	2.228	-2.46	23.18	7246	21.29	1.42	9.714	1.400000	0.0004	95		
GJ 1210	GJ 121	1	ME4 th ME	Earth	580400	0.0142	2.742	0.245	8.10	0.0257	Mass	2.2	0.063	21.0	596.0	88.7	0	0.325	0.0	M4 V	3250.0	0.18	2.337	5.703	5.258	-80.46	57.43	3606	14.642	15.1	8.782	3.000010	0.0010	161		
GJ 1250	GJ 125	Exoplanet	30m31	30m31	Keck	1073650	0.0911	1.193	0.106	1.32	0.0041	Mass	4.2	0.0	233.0	089.0	85.0	0	0.44	90.0	M3	3458.0	0.38	1.708	4.089	7.806	-5.86	27.56	4622	20.37	12.68	7.915	1.236000	0.0008	06	
GJ 1430	GJ 145	Exoplanet	30m31	30m31	Keck	1073650	0.1911	2.61	0.233	22.0	0.0714	Mass	7.0	0.188	3.37	422.0	89.33	0	0.587	98.0	K4.5	4640.0	0.73	0.686	0.312	7.500	-7.60	18.0	1500	16.32	8.08	5.373	6.790000	0.0002	26	
GJ 3070	GJ 309	Exoplanet	30m31	30m31	Keck	1073650	0.0316	2.13	0.19	3.34	0.0105	Mass	1.89	0.32	42.23	693.0	87.14	0	0.631	137.0	M2 V	3556.0	0.52	1.342	0.752	1.120	-4.38	42.45	7142	22.475	1.401	7.294	0.532000	0.0009	38	
GJ 3470	GJ 347	1 La Sil	Ba	Omse	383664	0.0351	4.57	0.408	13.9	0.0437	Mass	0.8	0.017	40.58	594.0	89.13	0	0.4	1.7	M1.5	3600.0	0.54	1.538	0.775	9.110	-7.75	23.12	3912	29.421	2.337	7.989	1.350012	0.0012	55		
GJ 3670	GJ 367	Exoplanet	30m31	30m31	Keck	1073650	0.0070	0.699	0.062	0.636	0.0019	Mass	10.2	0.06	579.0	365.7	79.89	0	0.584	66.0	M1.0	3522.0	0.46	1.539	0.978	4.126	-4.12	46.45	7799	4.126	0.151	5.78	1.516000	0.0006	65	
GJ 3920	GJ 392	Exoplanet	30m31	30m31	Keck	1073650	0.0251	1.09	0.097	1.75	0.0055	Mass	7.3	0.0	17.3	568.0	88.44	0	0.11	90.0	M3.5	3384.0	0.31	1.963	4.595	8.239	-5.75	24.85	4081	5.809	2.671	7.869	1.510000	0.0006	81	
GJ 436	GJ 436	W. M. Keck	Keck	2.643880	0.0291	4.17	0.372	22.1	0.07	Mass	1.80	1.382	29.43	686.0	86.44	0	0.736	351.0	M2.5	3586.1	0.47	1.585	4.179	2.115	-5.66	42.26	7030	17.532	10.676	0.079	5.710000	0.0009	84			
HAT-P-1	HAT-P-1	2	1CHAT	N2004	465291	0.0556	4.781	1.316	6.860	0.525	Mass	0.282	0.0	243.7	322.8	5.63	0	0.750	253.1	G0 V	980.0	1.15	0.225	4.236	7.844	-4.38	40.32	6749	58.979	9.827	8.858	0.178000	0.0003	84		
HAT-P-1	HAT-P-1	1	2CHAT	N2004	468780	0.0525	4.36	0.385	6.697	0.084	Mass	1.68	0.218	80.7	838.0	89.36	0	0.026	19.0	K4	4780.0	0.81	0.567	4.965	0.215	-7.48	0.445	0818	7.764	9.46	7.009	1.500002	0.0002	93		

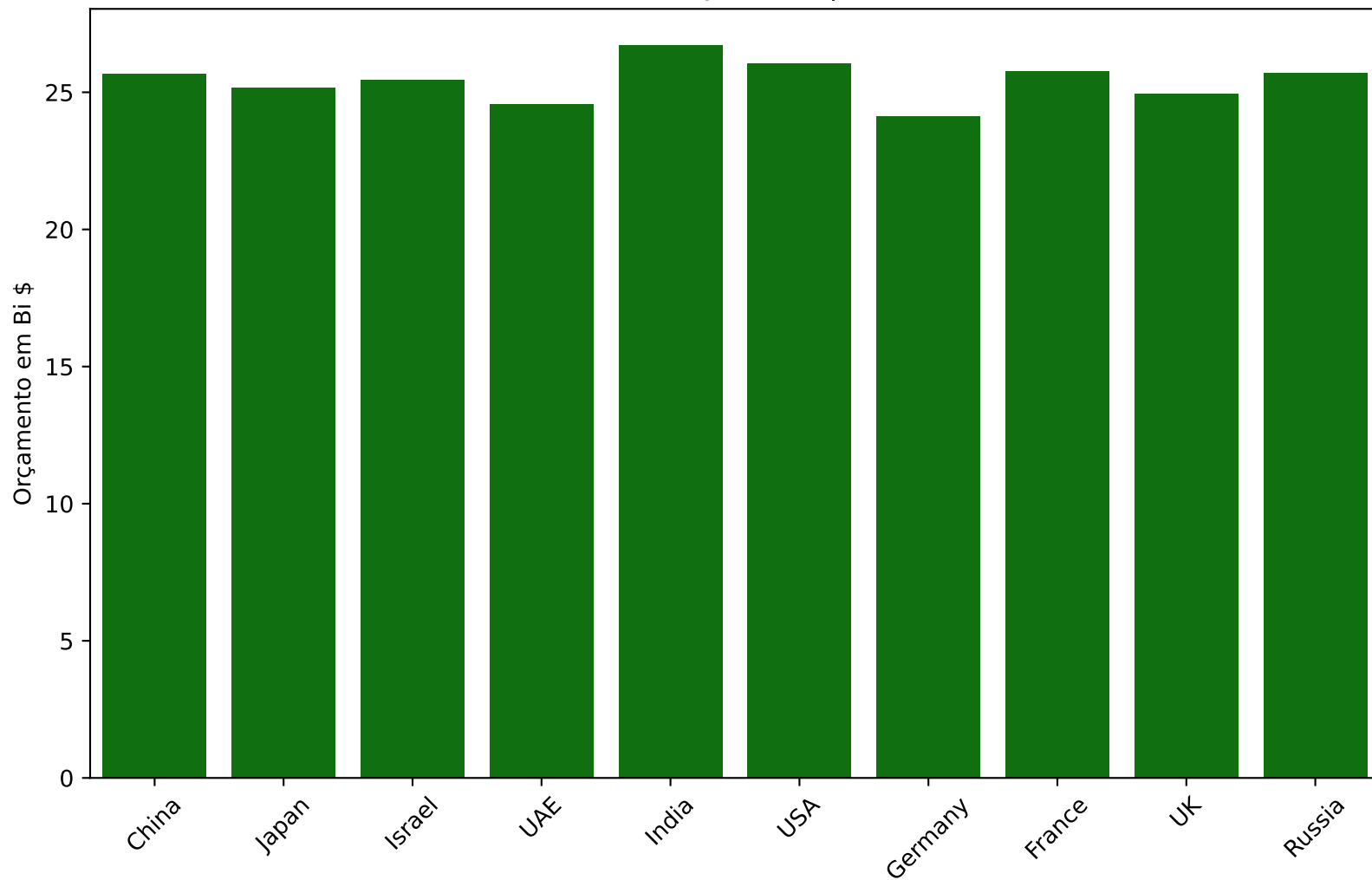
Planetas do Sistema Solar

Planet	Color	Mass (10 ²⁴ kg)	Diameter (km)	Density (kg/m ³)	Surface Gravity (g)	Escape Velocity (km/s)	Rotation Period (h)	Ring Distance (km)	Average Distance from Sun (AU)	Perihelion (AU)	Aphelion (AU)	Orbital Period (days)	Orbital Velocity (km/s)	axial Tilt (°)	Orbital Eccentricity	Distance to Nearest Star (light years)	Surface Temperature (°C)	Atmospheric Pressure (bars)	Number of Moons	Ring System	Magnetic Field
Mercury	Grey	0.33	4879	5429	3.7	4.3	1407.6	4222.6	57.9	46.0	69.8	88	47.4	7.0	0.206	0.034	167	0	0	No	Yes
Venus	Brown and Grey	4.87	12104	5243	8.9	10.4	-5832.5	2802.0	108.2	107.5	108.9	224.7	35.0	3.4	0.007	177.4	464	92	0	No	No
Earth	Blue and Green	5.97	12756	5514	9.8	11.2	23.9	24.0	149.6	147.1	152.1	365.2	29.8	0.0	0.017	23.4	15	1	1	No	Yes
Mars	Red, Brown and Grey	0.642	6792	3934	3.7	5.0	24.6	24.7	228.0	206.7	249.3	687	24.1	1.8	0.094	25.2	-65	0.01	2	No	No
Jupiter	Orange and Tan, with white bands	1898.0	142984	1326	23.1	59.5	9.9	9.9	778.5	740.6	816.4	4331	13.1	1.3	0.049	3.1	-110	Unknown	79	Yes	Yes
Saturn	Light Brown, and tan	568.0	120536	687	9.0	35.5	10.7	10.7	1432.0	1357.6	1506.5	10,747	9.7	2.5	0.052	26.7	-140	Unknown	82	Yes	Yes
Uranus	Blue-Green	86.8	51118	1270	8.7	21.3	-17.2	17.2	2867.0	2732.7	3001.4	30,589	6.8	0.8	0.047	97.8	-195	Unknown	27	Yes	Yes
Neptune	Blue	102.0	49528	1638	11.0	23.5	16.1	16.1	4515.0	4471.1	4558.9	59,800	5.4	1.8	0.01	28.3	-200	Unknown	14	Yes	Yes

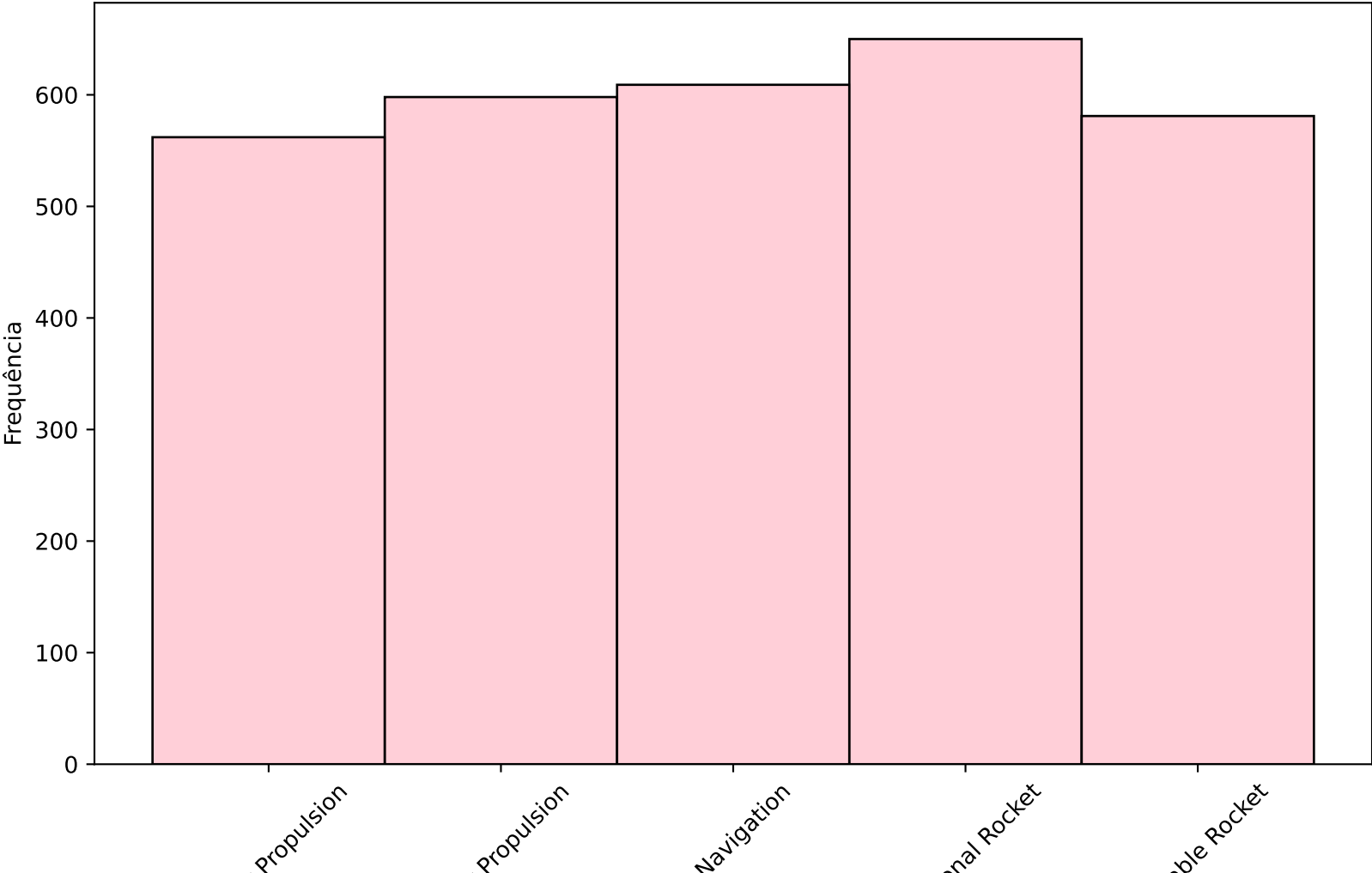
Orçamento anual para exploração espacial



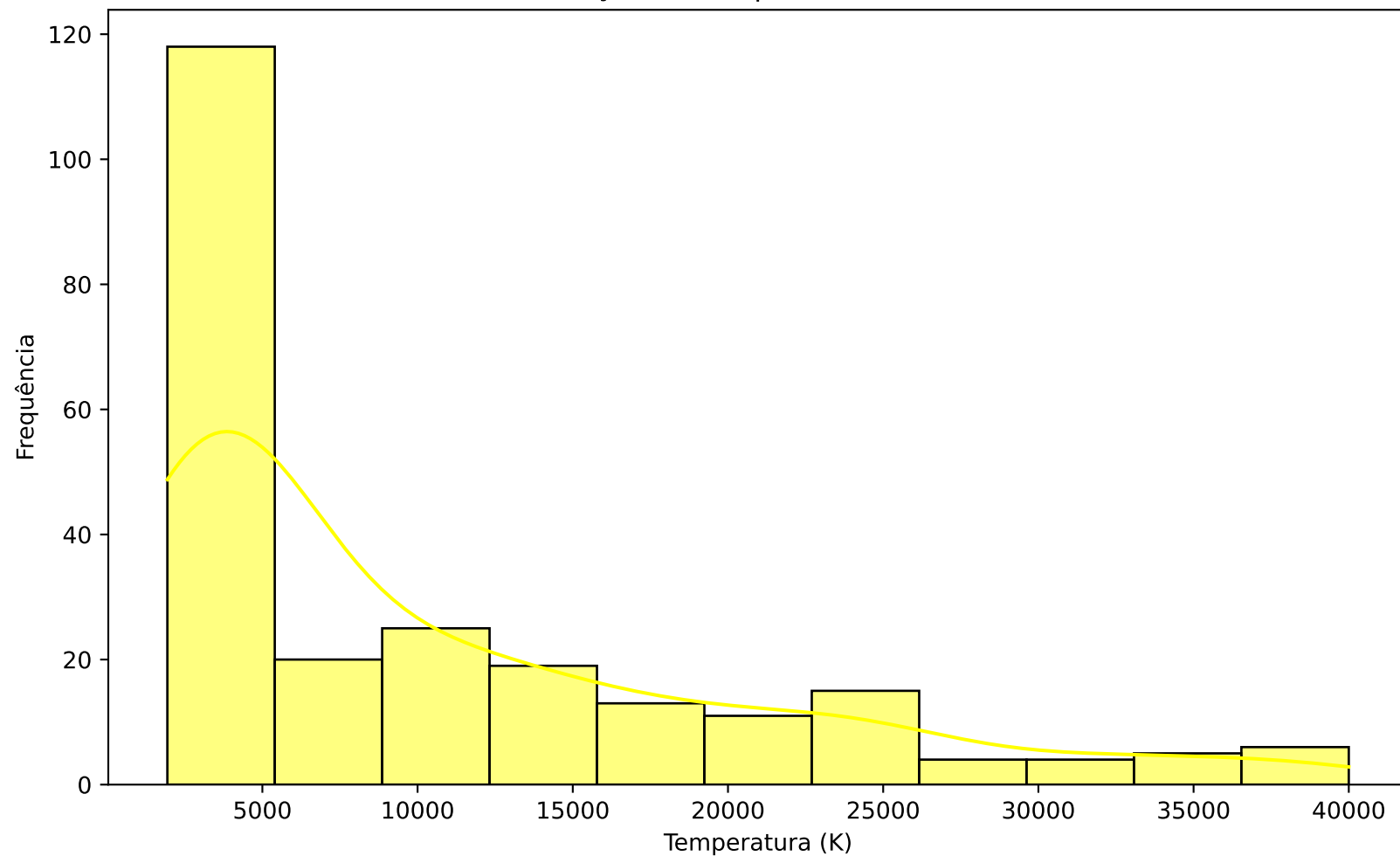
Média de Orçamento por País



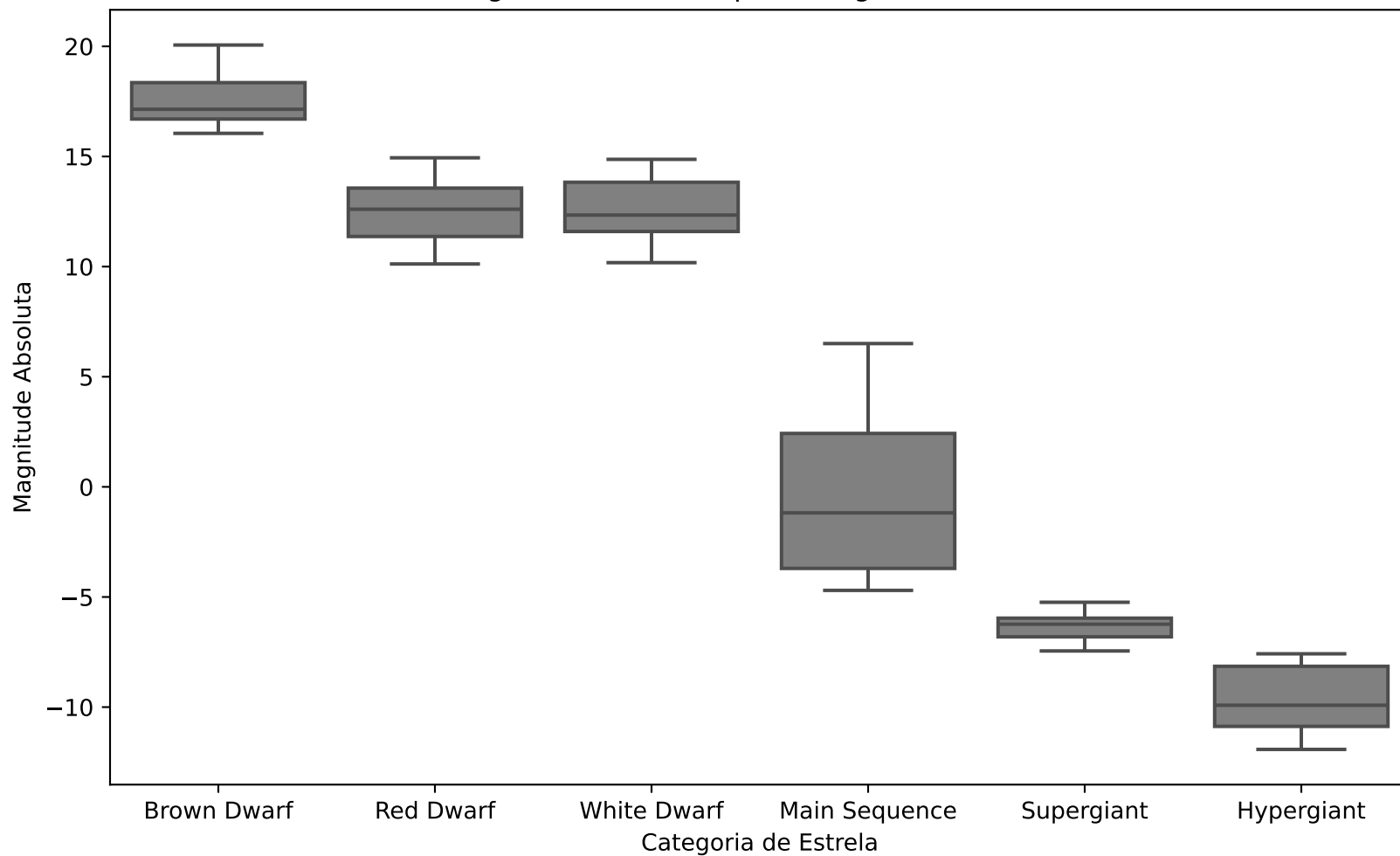
Distribuição da Tecnologia em Missões

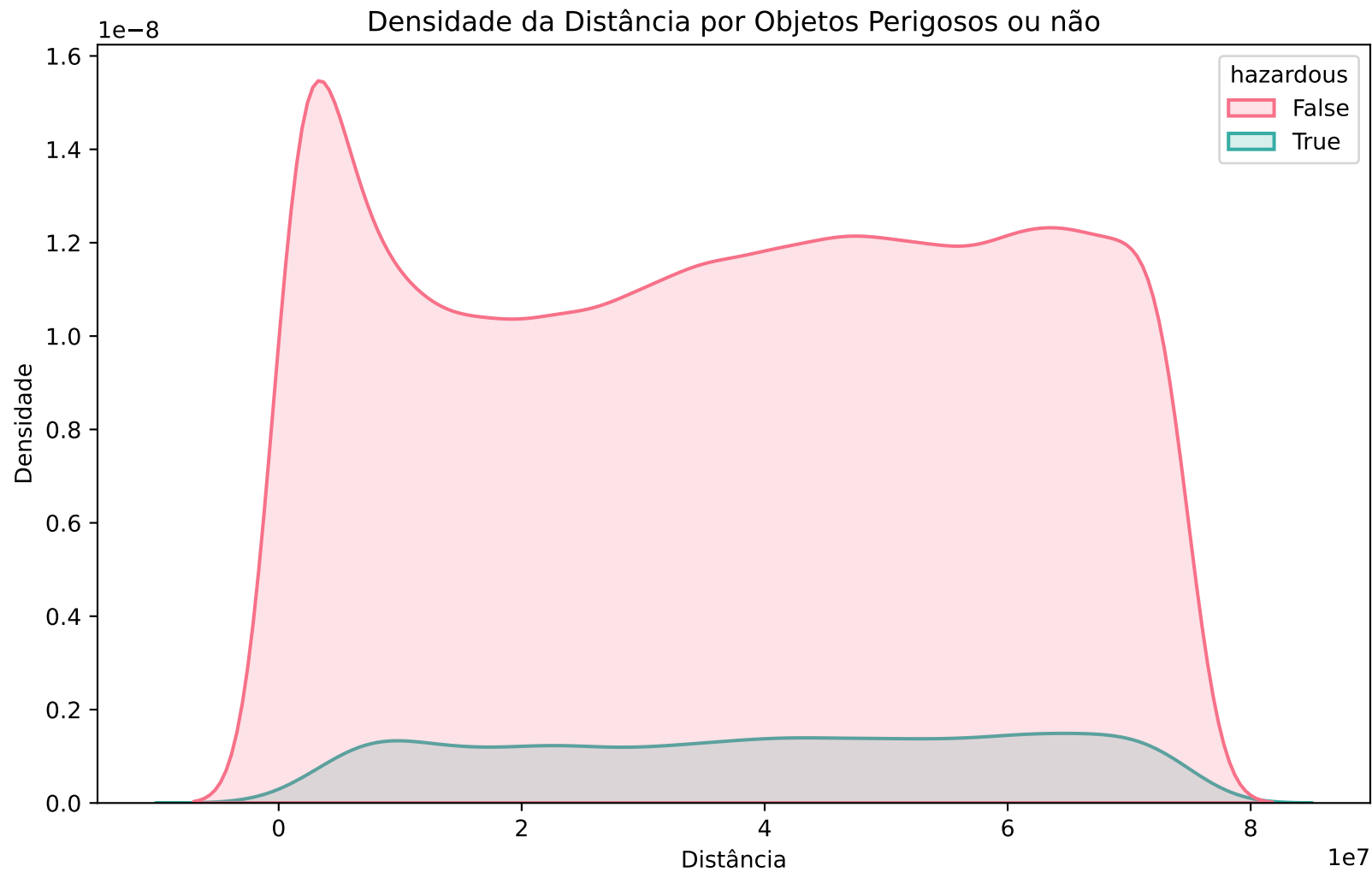


Distribuição da Temperatura de Estrelas

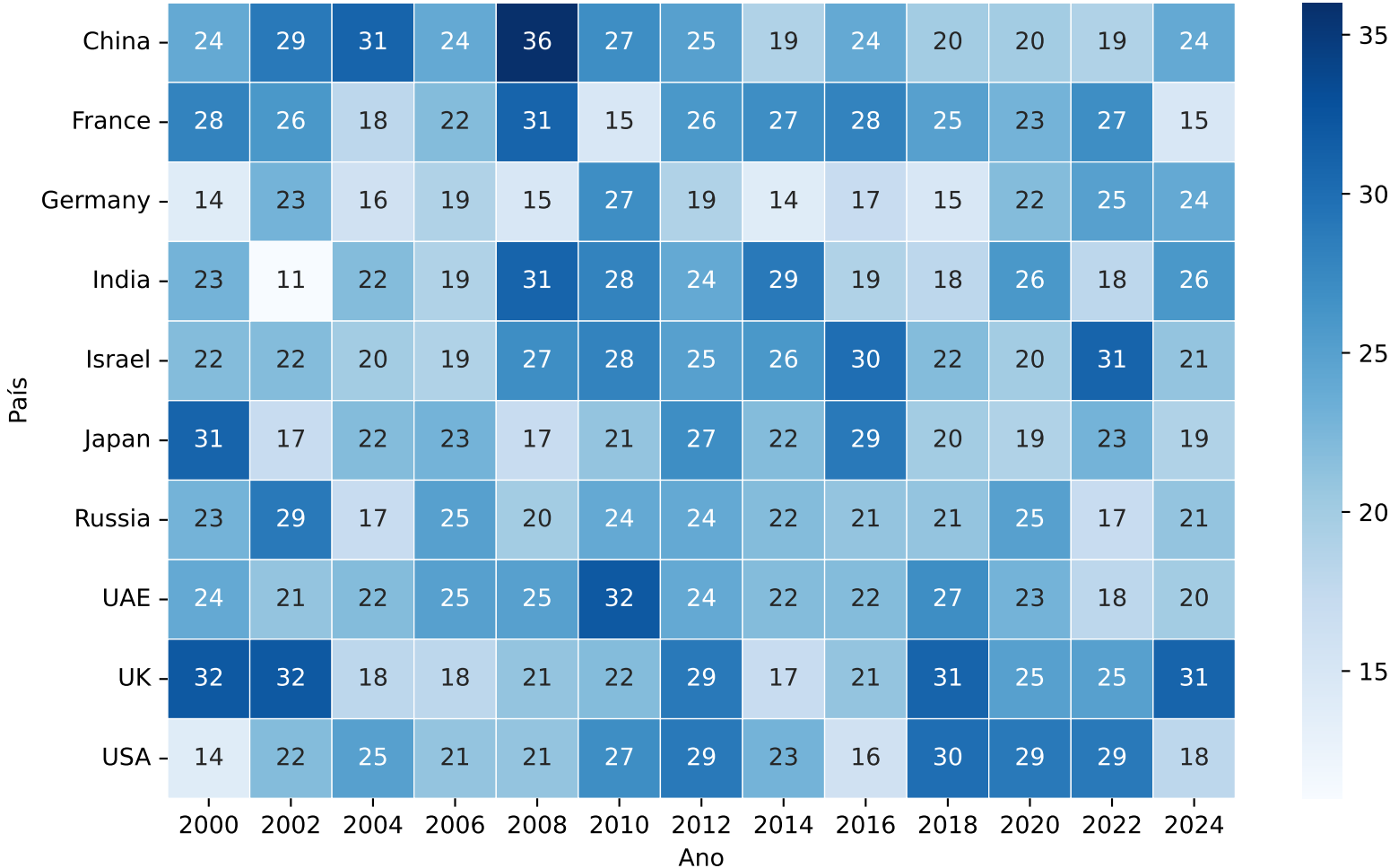


Magnitude Absoluta por Categoria de Estrela

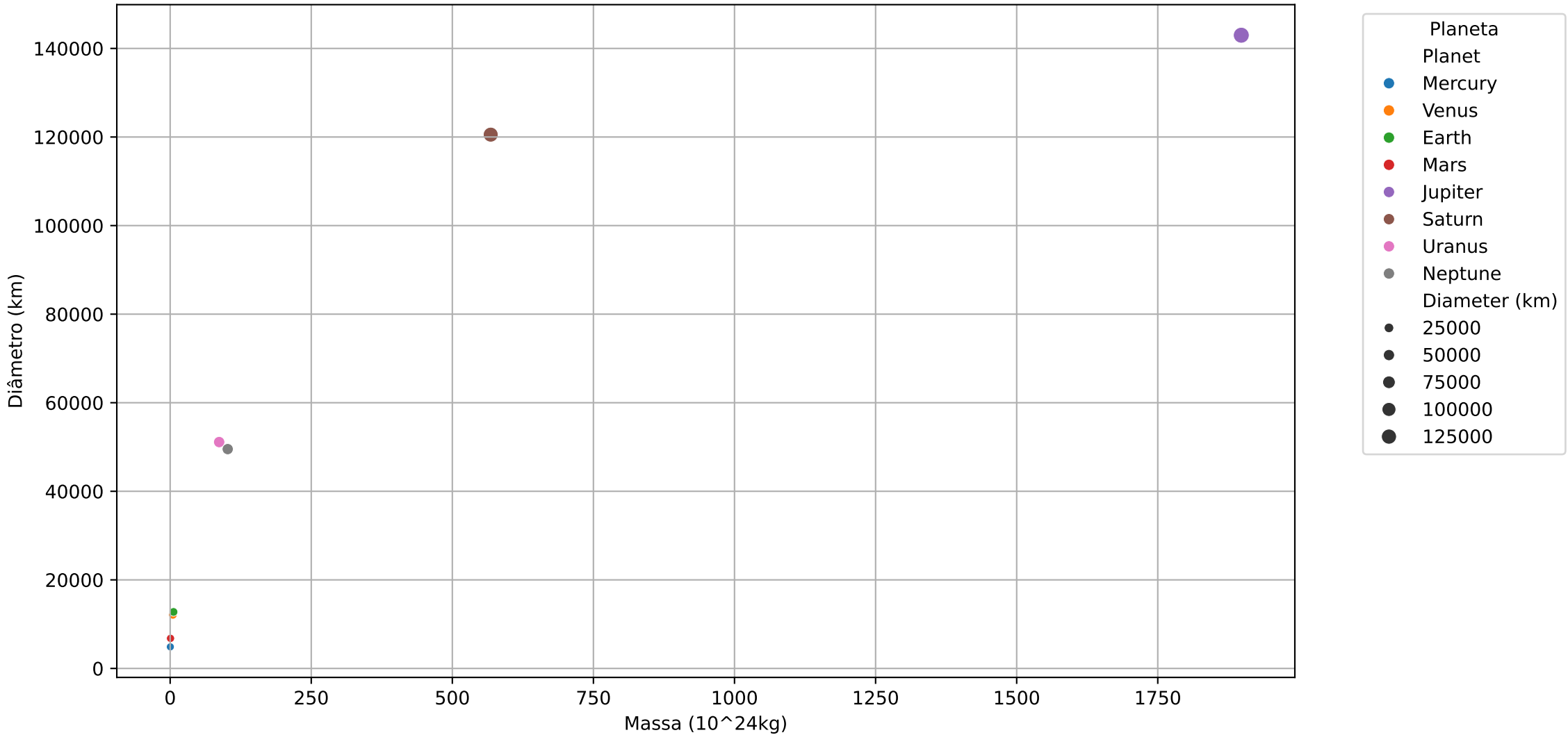




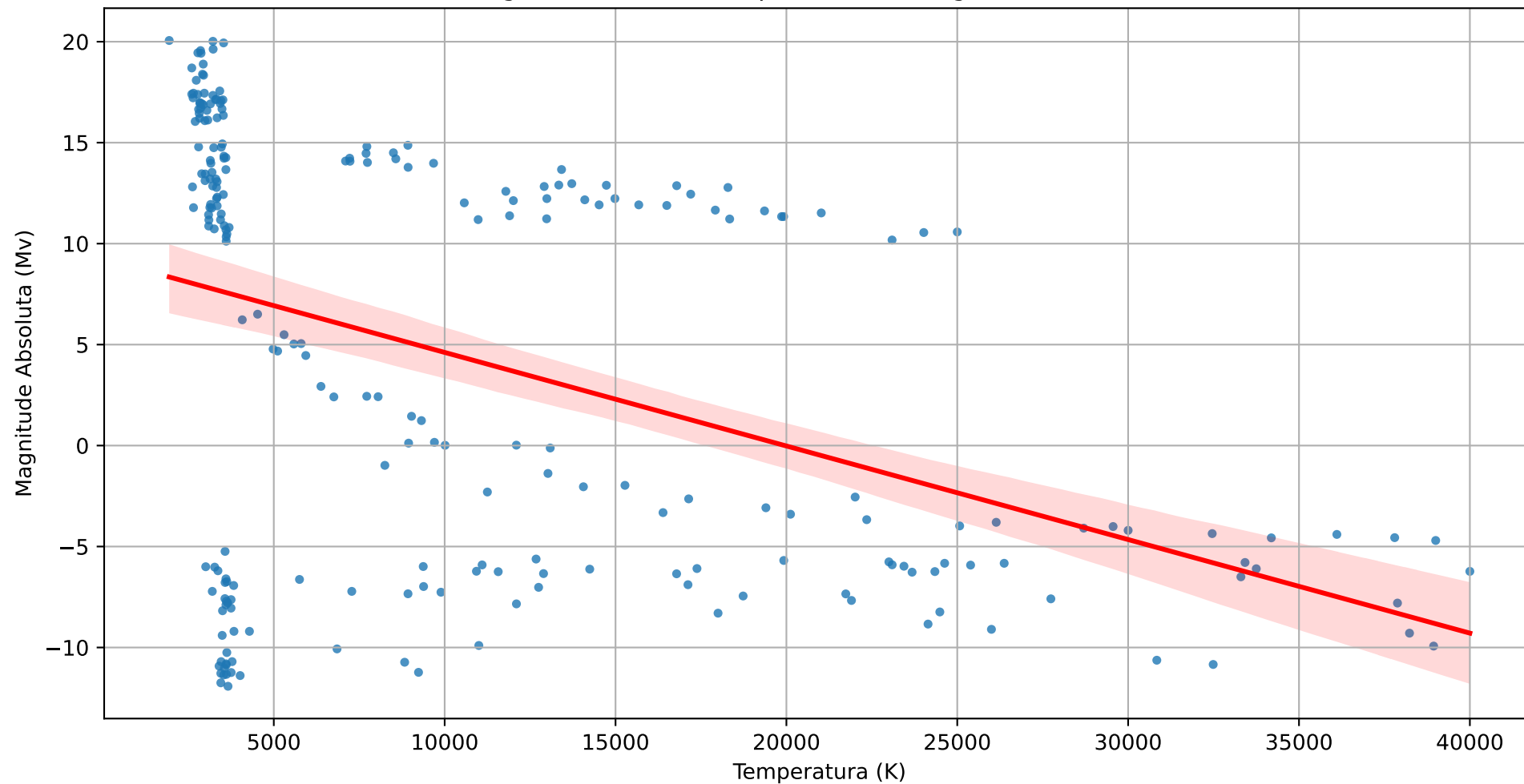
Explorações por País a cada 2 anos



Massa vs Diâmetro dos Planetas



Regressão Linear: Temperatura vs Magnitude Absoluta



Massa de Exoplanetas por Instalação de Descoberta

