Charami Desierto

BSCS 4 A

Exercise 6.1

1. Create a table containing at least thirty data values.

device	company	cpuName	cores	clock	cpuScore	gpuScore	npuScore
iPhone 13 Pro Max	Apple	A15 Bionic	6	3230	935	2273	2676
iPhone 13 Pro	Apple	A15 Bionic	6	3230	931	2261	2665
iPhone 13 mini	Apple	A15 Bionic	6	3230	924	1852	2660
iPad Pro (12.9-inch 5th generation)	Apple	M1	8	3190	1013	2824	2657
iPad Pro (11-inch 3rd generation)	Apple	M1	8	3190	1011	2842	2656
iPhone 13	Apple	A15 Bionic	6	3230	916	1831	2605
iPad mini (6th generation)	Apple	A15 Bionic	6	2920	899	2095	2522
iPad Air (4th generation)	Apple	A14 Bionic	6	2990	881	1950	2360
iPhone 12	Apple	A14 Bionic	6	2990	859	1584	2341
iPhone 12 Mini	Apple	A14 Bionic	6	2990	856	1578	2324
iPhone 12 Pro Max	Apple	A14 Bionic	6	2990	866	1579	2314
iPhone 12 Pro	Apple	A14 Bionic	6	2990	848	1564	2283
Google Pixel 6	Google	Tensor	8	1803	317	1374	1677
Google Pixel 6 Pro	Google	Tensor	8	1804	314	1368	1647
iPhone 11 Pro Max	Apple	A13 Bionic	6	2660	697	1375	1641
iPhone 11	Apple	A13 Bionic	6	2660	683	1363	1639
iPhone 11 Pro	Apple	A13 Bionic	6	2660	696	1369	1633
iPhone SE (2nd generation)	Apple	A13 Bionic	6	2660	673	1354	1633
Microsoft Surface Duo 2	Qualcomm	Snapdragon 888	8	1804	384	1834	1615
Xiaomi 11T Pro	Qualcomm	Snapdragon 888	8	1804	386	1668	1536
iPad Pro (12.9-inch 3rd Generation)	Apple	A12X Bionic	8	2490	694	1903	1415
iPad Pro 12.9-inch (4th generation)	Apple	A12Z Bionic	8	2490	681	1942	1388
iPad Pro 11-inch (2nd generation)	Apple	A12Z Bionic	8	2490	680	1938	1356
iPad Pro (11-inch)	Apple	A12X Bionic	8	2490	678	1878	1352
Samsung Galaxy Z Fold3 5G	Qualcomm	Snapdragon 888	8	1804	371	1558	1337
iPad Air (3rd generation)	Apple	A12 Bionic	6	2490	559	1134	1316
iPad mini (5th generation)	Apple	A12 Bionic	6	2490	552	1128	1306
iPhone XR	Apple	A12 Bionic	6	2490	520	1097	1304
iPad (8th generation)	Apple	A12 Bionic	6	2490	539	1110	1303
iPhone XS	Apple	A12 Bionic	6	2490	546	1110	1300
iPhone XS Max	Apple	A12 Bionic	6	2490	549	1151	1296
Samsung Galaxy Z Flip3	Qualcomm	Snapdragon 888	8	1804	367	1595	1240
Sony Xperia 1 III	Qualcomm	Snapdragon 888	8	1804	420	1726	1196
Xiaomi 11T	MediaTek	Dimensity 1200	8	2000	281	810	1093
Realme X7 Pro	MediaTek	Dimensity 1000+	8	2000	273	792	999
OnePlus Nord 2 5G	MediaTek	Dimensity 1200	8	2000	323	1097	941
ASUS ROG Phone 3	Qualcomm	Snapdragon 865+	8	1804	422	1417	876
Xiaomi Redmi K30 Ultra	MediaTek	Dimensity 1000+	8	2000	351	1348	869
Asus ROG Phone 5	Qualcomm	Snapdragon 888	8	1804	447	1810	856
Realme GT Neo	MediaTek	Dimensity 1200	8	2000	250	790	848
Xiaomi 11 Lite 5G NE	Qualcomm	Snapdragon 778G	8	1804	357	886	809
Xiaomi Mi 11	Qualcomm	Snapdragon 888	8	1804	395	1604	795
Realme GT 5G	Qualcomm	Snapdragon 888	8	1804	398	1688	789
OnePlus 9R	Qualcomm	Snapdragon 870	8	1804	378	1346	785
Xiaomi Mi 11 Ultra	Qualcomm	Snapdragon 888	8	1804	389	1589	776
Asus Zenfone 7	Qualcomm	Snapdragon 865	8	1804	434	1365	773
OnePlus 9R 5G	Qualcomm	Snapdragon 870	8	1804	390	1357	761
Xiaomi Redmi K40	Qualcomm	Snapdragon 870	8	1804	390	789	753
Realme GT Neo2	Qualcomm	Snapdragon 870	8	1804	395	1340	735
Xiaomi Poco F3	Qualcomm	Snapdragon 870	8	1804	386	1348	729
Xiaomi Mi 10T 5G	Qualcomm	Snapdragon 865	8	1804	401	1267	722
OnePlus 8T+ 5G	Qualcomm	Snapdragon 865	8	1804	400	1252	721
Xiaomi Mi 11X	Qualcomm	Snapdragon 870	8	1804	377	1322	720
Sony Xperia 5 II	Qualcomm	Snapdragon 865	8	1804	378	1258	715
Xiaomi Mi 10T Pro 5G	Qualcomm	Snapdragon 865	8	1804	374	1250	709
Realme GT Master	Qualcomm	Snapdragon 778G	8	1804	347	857	708
Samsung Galaxy Note10+	Qualcomm	Snapdragon 855	8	1785	325	1019	706

2. For the table you created, calculate the mean, mode, median, range, interquartile range, variance, and standard deviation.

iPad Pro (11-inch)	Apple	A12X Bionic	8	2490	678	1878	1352
Samsung Galaxy Z Fold3 5G	Qualcomm	Snapdragon 888	8	1804	371	1558	1337
iPad Air (3rd generation)	Apple	A12 Bionic	6	2490	559	1134	1316
iPad mini (5th generation)	Apple	A12 Bionic	6	2490	552	1128	1306
iPhone XR	Apple	A12 Bionic	6	2490	520	1097	1304
iPad (8th generation)	Apple	A12 Bionic	6	2490	539	1110	1303
iPhone XS	Apple	A12 Bionic	6	2490	546	1110	1300
iPhone XS Max	Apple	A12 Bionic	6	2490	549	1151	1296
Samsung Galaxy Z Flip3	Qualcomm	Snapdragon 888	8	1804	367	1595	1240
Sony Xperia 1 III	Qualcomm	Snapdragon 888	8	1804	420	1726	1196
Xiaomi 11T	MediaTek	Dimensity 1200	8	2000	281	810	1093
Realme X7 Pro	MediaTek	Dimensity 1000+	8	2000	273	792	999
OnePlus Nord 2 5G	MediaTek	Dimensity 1200	8	2000	323	1097	941
ASUS ROG Phone 3	Qualcomm	Snapdragon 865+	8	1804	422	1417	876
Xiaomi Redmi K30 Ultra	MediaTek	Dimensity 1000+	8	2000	351	1348	869
Asus ROG Phone 5	Qualcomm	Snapdragon 888	8	1804	447	1810	856
Realme GT Neo	MediaTek	Dimensity 1200	8	2000	250	790	848
Xiaomi 11 Lite 5G NE	Qualcomm	Snapdragon 778G	8	1804	357	886	809
Xiaomi Mi 11	Qualcomm	Snapdragon 888	8	1804	395	1604	795
Realme GT 5G	Qualcomm	Snapdragon 888	8	1804	398	1688	789
OnePlus 9R	Qualcomm	Snapdragon 870	8	1804	378	1346	785
Xiaomi Mi 11 Ultra	Qualcomm	Snapdragon 888	8	1804	389	1589	776
Asus Zenfone 7	Qualcomm	Snapdragon 865	8	1804	434	1365	773
OnePlus 9R 5G	Qualcomm	Snapdragon 870	8	1804	390	1357	761
Xiaomi Redmi K40	Qualcomm	Snapdragon 870	8	1804	390	789	753
Realme GT Neo2	Qualcomm	Snapdragon 870	8	1804	395	1340	735
Xiaomi Poco F3	Qualcomm	Snapdragon 870	8	1804	386	1348	729
Xiaomi Mi 10T 5G	Qualcomm	Snapdragon 865	8	1804	401	1267	722
OnePlus 8T+ 5G	Qualcomm	Snapdragon 865	8	1804	400	1252	721
Xiaomi Mi 11X	Qualcomm	Snapdragon 870	8	1804	377	1322	720
Sony Xperia 5 II	Qualcomm	Snapdragon 865	8	1804	378	1258	715
Xiaomi Mi 10T Pro 5G	Qualcomm	Snapdragon 865	8	1804	374	1250	709
Realme GT Master	Qualcomm	Snapdragon 778G	8	1804	347	857	708
Samsung Galaxy Note10+	Qualcomm	Snapdragon 855	8	1785	325	1019	706
Mean	1392.6491						
Mode	1633						
Median	1303						
Highest	2676						
Lowest	706						
Range	1970						
Interquartile	787						
Variance	435655.62						
Standard Deviation	660.04214						