

How to identify flat (even) distributions?

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Hi

If I have 1000 people and their opinion ratings for, say, 100 songs each (on a scale 1-10) How do I test for those users that have rated 10 1s, 10 2s, 10 3s etc i.e. a flat distribution?

I know I can use standard deviation to spot those that tend to give the same rating, or polar extremes, but there's nothing uniquely identifiable about the SD for these 'flat' users.

I'm writing a program in C to find these; I know I could brute-force count the frequencies to find them, but hoped there might be a statistical measure of this.

Thanks

Steve

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