

Fancy yourself as a Dart Pro?

Try this mathematical test to compare yourself with the pros

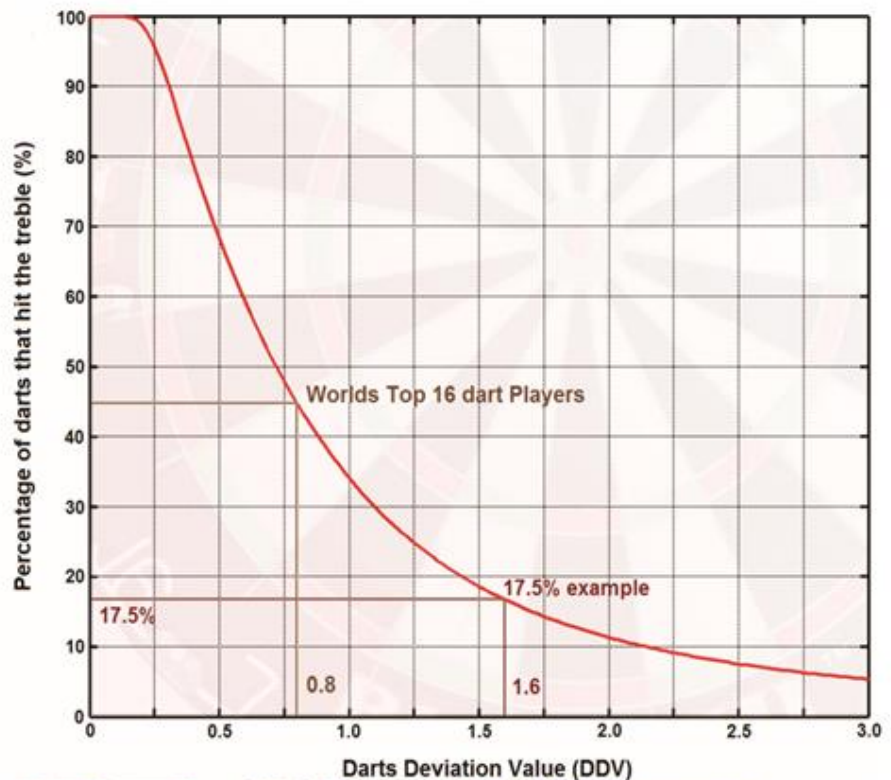


Think you could cut the Mustard as a darts Pro?

Take the Winmau-Nieuwstadt DDV challenge to see if you could.

Winmau are always searching for methods to help darters all over the world, so when we were approached by the Worlds' finest Darts Mathematician Harm Nieuwstadt we jumped at the chance to work with him on this fantastic project.

Basically your dart accuracy can be represented by a single number anywhere between 0 and 6. This number is called the DDV (Darts Deviation Value). The lower your DDV, the more accurate and precise you are at throwing darts. The worlds Top 16 Elite Dart Pros have the lowest DDV of all dart players about 0.8! You can find your own DDV by carrying out the following simple test



So what to do now?

So now you've got your DDV where do you stand against the Top 16 in the World?

Why not try it out against your dart team mates or friends.

However, there is much more to come: Your DDV is the gateway to thoroughly analyse and improve your darts game. For instance, with the knowledge of your DDV:

- You can establish where you should throw on the dartboard to expect the highest score. This does not always need to be the treble 20, but could very well be the treble 19 or even treble 16.
- You can find the best way to throw your darts at a double to finish a leg.

Keep an eye out for the next edition of Winmau-Nieuwstadt articles about this magical DDV, and how it can improve your dart game. Naturally it goes without saying that the Winmau-Nieuwstadt test is best performed with Winmau equipment. (Only a joke other dart brands are available!)

Measuring your DDV: The Nieuwstadt-Test

- Throw 200 darts at a treble of your choice and count the number of successful hits
 - Divide the number of successful hits by 200
 - I.e. $35 / 200 = 0.175$
 - Multiply the number (0.175) by 100 to get the percentage of darts that successfully hit the treble: $0.175 \times 100 = 17.5\%$
 - Bounce outs count as a throw so do not re-take them. (Or
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- When you have your percentage draw a line across the graph above to find your DDV. Note that you should be able to get a percentage of 5.5% or higher to be able to use the graph, otherwise take up Bowls!
 - I.e. 17.5% would give a DDV of 1.6
 - Of course your accuracy depends on the occasion, so if possible, do this test a couple of times on different occasions until you feel that the tests represent your average accuracy. Then take the average of the DDV you got from the tests to get your average DDV.

This test is published online on the Winmau website at: <http://www.winmau.com>

*See H.A. Nieuwstadt, Analysis of the darts game, Mathematics Today, Vol. 43, No. 4, August 2007
** This test (STE test) is one of more ways to discover your Darts Deviation Value.