Monograph On Normal Distribution

By

Ashni Bhandari
Statistician

Department of Community Medicine,
Sree Balaji Medical College and Hospital,
BIHER, Chennai-600044

Discovery Publications
No. 9, Plot,1080A, Rohini Flats, Munusamy Salai,
K.K.Nagar West, Chennai - 78. Tamilnadu, India.
Mobile: +91 99404 46650

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First Edition: March - 2022;
ISBN: 978-93-91994-43-3
Pages 17
Print in India
Rs. 150

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No. 9, Plot,1080A, Rohini Flats, Munusamy Salai,
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discoverybookpalace@gmail.com
WWW.DISCOVERYBOOKPALACE.COM

Standard Scores

- Z is not the only transformation of scores to be used
- First convert whatever score you have to a z score.
- New score – new s.d.(z) + new mean

- Example- T scores = mean of 50 s.d. 10
  Then T = 10(z) + 50.
- Examples of standard scores: IQ, GRE, SAT

Wrap up

- Assuming our data is normally distributed allows for us to use the properties of the normal distribution to assess the likelihood of some outcome
- This gives us a means by which to determine whether we might think one hypothesis is more plausible than another (even if we don't get a direct likelihood of either hypothesis)