MEEN 382 Basic Measurements Exam 2 Formula Sheet

$$\begin{split} N &= \sum_{t=0}^{n-1} d_t b^t \\ e &= x_t - x_t \\ e_s &= x_{aug} - x_t \\ e_s &= x_{aug} - x_t \\ e_r &= |x_t - x_{avg}| \\ \end{pmatrix} & P \left(a \leq x \leq b \right) = \int_{a}^{b} f(x) \, dx \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{x}{2} \frac{N}{\sqrt{n}} \\ e_s &= x_{aug} - x_t \\ e_r &= |x_t - x_{avg}| \\ \end{pmatrix} & f(x) &= \int_{-\infty}^{\infty} xf(x) \, dx \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{3}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix} & \mu &= \bar{x} \pm t \frac{N}{2} \frac{N}{\sqrt{n}} \\ \end{pmatrix}$$

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