**Relative Position and z-Value Solutions**

Unusual data values



1. Mean=62.5
2. SD=10.5
3. Table

|  |  |  |
| --- | --- | --- |
| **x** | **z** | **unusual (Y/N)** |
| 40 | **-1.15** | **N** |
| 88 | **1.31** | **N** |
| 68 | **0.28** | **N** |
| 25 | **-1.92** | **N** |
| 97 | **1.77** | **N** |
| 72 | **0.49** | **N** |
| 85 | **1.15** | **N** |

1. z Scale





1. Mean=5.8
2. SD=2.2
3. Table

|  |  |  |
| --- | --- | --- |
| **x** | **z** | **unusual (Y/N)** |
| 6 | **0.09** | **N** |
| 0 | **-2.64** | **Y** |
| 4 | **-0.82** | **N** |
| 2 | **-1.73** | **N** |
| 7 | **0.55** | **N** |
| 5 | **-0.36** | **N** |
| 10 | **1.91** | **N** |

1. z Scale





1. Mean=12.4
2. SD=4.5
3. Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Inches** | **z** | **Unusual** |
| 2000 | 14.7 | **0.51** | **N** |
| 2001 | 12.8 | **0.09** | **N** |
| 2002 | 13.6 | **0.27** | **N** |
| 2003 | 6.5 | **-1.31** | **N** |
| 2004 | 12.2 | **-0.04** | **N** |
| 2005 | 10.8 | **-0.36** | **N** |
| 2006 | 16.5 | **0.91** | **N** |
| 2007 | 13.2 | **0.18** | **N** |
| 2008 | 7.8 | **-1.02** | **N** |
| 2009 | 14.9 | **0.56** | **N** |
| 2010 | 22.3 | **2.20** | **Y** |
| 2011 | 5.4 | **-1.56** | **N** |
| 2012 | 10.9 | **-0.33** | **N** |

1. z -Scale

