|  |  |
| --- | --- |
| NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Box Plots | **DATE: Thursday, February 10, 2022** |

With your partner, grap 20 random pennies and mark their ages (2018-year) down below:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Find:

Mean: \_\_\_\_\_\_

Median: \_\_\_\_\_\_

Mode: \_\_\_\_\_\_

Now find these numbers:

Min: \_\_\_\_\_\_

Max: \_\_\_\_\_\_

Find the median of the numbers to the left of the median

(known as Quarter 1 – Q1): \_\_\_\_\_\_

Find the median of the numbers to the right of the median

(known as Quarter 3 – Q3): \_\_\_\_\_\_

Now draw a box plot:



Do one more on your own: The NWEA scores of students in my stats class are below (in order):

Find 5 number summary:

Min:

Q1:

Median:

Q3:

Max:



HW Box Plots



1. What percent of students spent less than an hour on homework?
2. What percent of students spent less than an hour on tv?
3. What was the least amount of tv anyone watched?
4. What was the most amount of homework anyone did?
5. What was the median amount of homework students did?

There are 200 students in this survey.

1. How many students spent less than 20 minutes on homework?
2. How many students spent more than an hour on tv?

Create a box plot for the height (use total inches) and age of the Celtics roster.



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAME** | [AGE](https://www.espn.com/nba/team/roster/_/name/bos/sort/age/dir/asc) | [HT](https://www.espn.com/nba/team/roster/_/name/bos/sort/height/dir/asc) | Total inches | [WT](https://www.espn.com/nba/team/roster/_/name/bos/sort/weight/dir/asc) |
| [Payton Pritchard](https://www.espn.com/nba/player/_/id/4066354/payton-pritchard)11 | 24 | 6' 1" | 73 | 195 lbs |
| [Dennis Schroder](https://www.espn.com/nba/player/_/id/3032979/dennis-schroder)71 | 28 | 6' 1" | 73 | 172 lbs |
| [Marcus Smart](https://www.espn.com/nba/player/_/id/2990992/marcus-smart)36 | 27 | 6' 4" | 76 | 220 lbs |
| [Romeo Langford](https://www.espn.com/nba/player/_/id/4397008/romeo-langford)9 | 22 | 6' 5" | 77 | 216 lbs |
| [Aaron Nesmith](https://www.espn.com/nba/player/_/id/4396909/aaron-nesmith)26 | 22 | 6' 5" | 77 | 215 lbs |
| [Josh Richardson](https://www.espn.com/nba/player/_/id/2581190/josh-richardson)8 | 28 | 6' 5" | 77 | 200 lbs |
| [Brodric Thomas](https://www.espn.com/nba/player/_/id/4407254/brodric-thomas)97 | 25 | 6' 5" | 77 | 185 lbs |
| [Jaylen Brown](https://www.espn.com/nba/player/_/id/3917376/jaylen-brown)7 | 25 | 6' 6" | 78 | 223 lbs |
| [P.J. Dozier](https://www.espn.com/nba/player/_/id/3923250/pj-dozier)50 | 25 | 6' 6" | 78 | 205 lbs |
| [Grant Williams](https://www.espn.com/nba/player/_/id/4066218/grant-williams)12 | 23 | 6' 6" | 78 | 236 lbs |
| [Sam Hauser](https://www.espn.com/nba/player/_/id/4065804/sam-hauser)30 | 24 | 6' 7" | 79 | 217 lbs |
| [Jayson Tatum](https://www.espn.com/nba/player/_/id/4065648/jayson-tatum)0 | 23 | 6' 8" | 80 | 210 lbs |
| [Bruno Fernando](https://www.espn.com/nba/player/_/id/4277952/bruno-fernando)28 | 23 | 6' 9" | 81 | 240 lbs |
| [Al Horford](https://www.espn.com/nba/player/_/id/3213/al-horford)42 | 35 | 6' 9" | 81 | 240 lbs |
| [Robert Williams III](https://www.espn.com/nba/player/_/id/4066211/robert-williams-iii)44 | 24 | 6' 9" | 81 | 237 lbs |
| [Enes Freedom](https://www.espn.com/nba/player/_/id/6447/enes-freedom)13 | 29 | 6' 10" | 82 | 250 lbs |
| [Bol Bol](https://www.espn.com/nba/player/_/id/4397102/bol-bol)10 | 22 | 7' 2" | 86 | 220 lbs |