

# Ages of Academy Award Winners

If we compared the ages of actors and actresses who won an Academy Award for Best Performance, what would you expect the data to look like?

Will the median ages be the same or different? Explain.

Will the range of ages be the same or different?  
Explain.

### Ages of Winning Actors

29, 30, 30, 31, 31, 32, 32, 33, 34, 34, 35, 35, 35, 35, 36, 36, 36,  
37, 37, 37, 38, 38, 38, 38, 38, 39, 40, 40, 40, 40, 40, 40, 41,  
41, 41, 41, 41, 42, 42, 42, 43, 43, 43, 43, 43, 43, 44, 44, 44, 45,  
46, 46, 46, 46, 47, 47, 48, 48, 48, 49, 49, 51, 51, 52, 52, 52, 53,  
53, 54, 56, 56, 57, 60, 60, 61, 62, 62, 76

### Ages of Winning Actresses

21, 22, 24, 24, 24, 24, 25, 25, 26, 26, 26, 26, 26, 26, 26, 27, 27,  
27, 27, 28, 28, 28, 29, 29, 29, 29, 29, 30, 30, 30, 31, 31, 31, 31,  
32, 33, 33, 33, 33, 33, 34, 34, 34, 34, 34, 34, 35, 35, 35, 35, 35,  
37, 37, 37, 38, 38, 38, 38, 39, 40, 41, 41, 41, 41, 41, 42, 42, 45,  
47, 49, 49, 54, 60, 61, 61, 61, 63, 74, 80

Create a back-to-back stem-and-leaf plot.

Describe the similarities and differences between the ages of the winning actors and the winning actresses.

Would a man in his 40s or a woman in her 40s have a better chance of winning an Academy Award?

Would a man in his 20s or a woman in her 20s have a better chance of winning an Academy Award?

Why do you think this is?