

Indices

1. See the table for the ratings given in several categories to some local restaurants:

Restaurant	Cost (higher = cheaper)	Service (higher = friendlier)	Speed (higher = faster)	Food (higher = more tasty)	Index score
Double R Diner	3	8	3	7	
Pepperoni Hug Spot	5	6	5	5	
McDowell's	8	5	9	4	
Monk's Cafe	7	4	6	6	

- A. For the following table, come up with your own way to create an index score for the restaurants. The index score should include every variable listed (since they all matter to restaurant quality). Your index score may be calculated using addition, subtraction, multiplication, or division, and you may add in your own weights to each variable if you like. Write your formula here:
- B. Which restaurant comes out on top using your index scoring formula? Does that seem like a reasonable outcome to you? Why?
- C. Once you've decided on your way to create an index score, partner up with someone and learn about their index scoring formula. Does their method make a different restaurant the "best"?
- D. Is there a formula that makes Double R the best? Pepperoni Hug Spot the best? McDowell's? Monk's?
- E. Bonus: name the t.v. show, movie, or other media each restaurant first appeared in. No internet/A.I.