Homework

Sunday, October 12, 2025 9:56 AM

Object Identifier	test-1(nominal)	test-2 (ordinal)	test-3 (numeric)
1	A	excellent 1	45
2	B 0 5	fair 💍	22
3	CO	good O 5	64
4	A	excellent	28

$$d_{1} = |-0|$$

$$d_{2} = \frac{|-0|}{|-0|} = \frac{6|5|}{|-0|} = 0|5|$$

$$d_{3} = \frac{6|-1|5|}{(4|-22|} = \frac{19}{4|2|} = 0|45|$$

$$\frac{|-1|}{|-1|} + |-1| = \frac{19|5|}{|-1|} = \frac{1$$

|13-10| + |16-2| + |23-25| + |13-6| 3+14+2+7=26

Sqrt(|13-10|^2 + |16-2|^2 + |23-25|^2 + |13-6|^2) Sqrt(3^2+14^2+2^2+7^2) Sqrt(9+196+4+49) Sqrt(258) = 16.06237840420901

	Passed	Failed	Total
Attended	25	6	31
Skipped	8	15	23
Total	33	21	54

Expected Attend-Pass = 33*31/54 = 18.9444 Expected Attend-Fail = 21*31/54 = 12.0556 Expected Skip-Pass = 33*23/54 = 14.0556 Expected skip-fail = 21*23/54 = 8.9444 (25-18.94)^2/18.94 = 1.9389 (6-12.06)^2/12.06 = 3.0451 (8-14.06)^2/14.06 = 2.6119 (15-8.94)^2/8.94 = 4.1078

1.9289+3.0451+2.6119+4.1078 = 11.6937

There is a low dependency between attendance and passing a class