Nine Steps for Scoring of the MCT: C-score and Six Types of Moral Orientation

☞ <u>First</u>, write the values of X into the correct grey fields. <u>Second</u>, calculate the bold boxes: Square Xs, then continue with steps ①, ② ... ⑨

Dilemma:	Workers´ Dilemma (A)				Doctor´s Dilemma (D)				① Sum up the four arguments for each Type (grey fields)	② Square the numbers on the left
Opinion:	disagree (-3 to -1) | agree (0 to +3)				disagree (-3 to -1) | agree (0 to +3)					
	Pro		Contra		Pro		Contra		$\sum X_{J,1\text{-}4}$	$(\sum X_{J,1\text{-}4})^2$
Orientation Type (X_j)	X_{i1}	$(X_{i1})^2$	X_{i2}	$(X_{i2})^2$	X_{i3}	$(X_{i3})^2$	X_{i4}	$(X_{i4})^2$		
1	A_P_1		A_C_1		D_P_1		D_C_1			
2	A_P_2									
3										
4										
5										
6										
Sum up all columns and check total sums ! =>	Sum X:	Sum X²:	Sum X:	Sum X²:	Sum X:	Sum X²:	Sum X:	Sum X²:	③ Sum of above $\sum\limits_{1}^{24} x =$	④ Sum of above $\sum\limits_{St=1}^{6}(\sum\limits_{j=1}^{4} x_{ij})^2 =$

$SS_{Tot} = \sum (X_{ij2}) =>$ Square all data and add them up:	⑤	⑧
	Use ④ and ⑥: $SS_{Type} = \sum\limits_{St=1}^{6}(\sum\limits_{j=1}^{4} x_{ij})^2 / 4 - SS_M =>$	
$SS_M = SS_{Mean} = (\sum X)^2 / 24$ => Use ③, square this sum and divide it by 24:	⑥	
	Optional $SS_{PC} = \sum\limits_{j=Pro}^{Con}(\sum\limits_{i=1}^{12} x_{ij})^2 / 12 - SS_M =>$	Optiona*l*
Subtract ⑥ from ⑤ $SS_{Tot} - SS_{Mean} =>$ = SSDev	⑦	Optional**
	Optional $SS_{Dil} = \sum\limits_{j=Work}^{Doc}(\sum\limits_{i=1}^{12} x_{ij})^2 / 12 - SS_M =>$	

Use ⑧ and ⑦

$100 * \dfrac{SS_{Type}}{SS_{Dev}} =>$ ⑨ **C-index:**

Optional $r^2_{PC} = \dfrac{SS_{ProCon}}{SS_{Dev}} =>$ Optional*   PC-Index

Optional $C^+ = \dfrac{SS_S}{SS_{Dev} - SS_{Dil}} =>$ Optional*   C⁺-Index

* "Type" has replaced "Stage" in older versions.   ** These calculations are optional. If used, Pro and Con are to be scored according to the subject′s *opinion*. Rule: If the subjects agrees in one story with the decision in one story AND disagrees with the decision in the other story, then the columns must be added like this: A + D and B + C.