

IJMA



INTERNATIONAL JOURNAL OF MEDICAL ARTS

Volume 3, Issue 2 [Spring (April-June) 2021]

10th
المؤتمر السنوي العاشر
AL-AZHAR UNIVERSITY

COVID-19 - Lessons Learned

كلية الطب - جامعة الأزهر بدمياط

Virtual conference | 25 March 2021

<http://ijma.journals.ekb.eg/>

Print ISSN: 2636-4174

Online ISSN: 2682-3780

About IJMA [last updated March, 1st, 2021]

- ✓ International Journal of Medical Arts is the Official Journal of the Damietta Faculty of Medicine, Al-Azhar University, Egypt
- ✓ It is an International, Open Access, Double-blind, Peer-reviewed Journal
- ✓ Published four times a year
- ✓ The First Issue was published in July 2019
- ✓ Published under the following license: Creative Commons Attribution-ShareAlike 4.0 International Public License (CC BY-SA 4.0). It had updated from the Creative Commons license [CC BY] in volume 2, Issue 4, October 2020 About IJMA
- ✓ The Egyptian Knowledge Bank hosts the web site of IJMA
- ✓ The Egyptian Knowledge Bank supports IJMA
- ✓ IJMA follows the regulations of the International Committee of Medical Journal Editors
- ✓ IJMA is indexed in the "Directory of Open Access Journals" [Indexed on 15 January 2021].
- ✓ IJMA is a member of the International Society of Managing and Technical Editors
- ✓ Listed in "Index Copernicus", "Publons", "Academic resource index [ResearchBib]", "Electronics journal library", "Eurasian Scientific Journal Index", and "Citefactor"
- ✓ IJMA introduced to the search engine [BASE] through DOAJ

Click image to reach the page



Egyptian Knowledge Bank

DOAJ



INDEX COPERNICUS
INTERNATIONAL





Available online at Journal Website
<https://ijma.journals.ekb.eg/>
Main subject [Basic Science [Medical Education]]*



Conference abstract

Item Analysis and Decision Making for MCQ Exams [Oral Presentation]

Mennatallah Hassan Rizk Ismail

Department of Medical Education, Faculty of Medicine, Alexandria University, Alexandria, Egypt

Email: m_hassan200430@alexmed.edu.eg

Submission date: March 25, 2020; Revision date: April 19, 2021; Acceptance Date: April 20, 2021

DOI: [10.21608/ijma.2021.72921.1303](https://doi.org/10.21608/ijma.2021.72921.1303)



DOAJ

ABSTRACT

Background: MCQ exam analysis is an important part of the assessment cycle. We should pay more attention to item analysis to ensure test validity and reliability. We need to make decisions regarding the exam results like Mark moderation or removing questions from Question Bank.

Aim of the work: 1. To highlight basic principles of MCQs item analysis and how to make maximum benefits from the data we got. 2. To make decisions regarding the exam like moderation of marks based on item analysis.

Methods: An online presentation had been completed, where core principles of Item analysis had been reviewed. Then, an online survey had been completed to check the decisions of each participant when he will be faced by MCQ of aberrant discrimination or difficulty.

Results: An online survey had been completed about the decision that each participant will take in different situations [e.g., low discrimination questions, or high difficulty questions]. Answers were reviewed and decision-making was clarified. As feedback, 80.0% of attendants reported that, they will increase their participation in the question bank-building process at Damietta Faculty of Medicine, and 65% requested more in-depth future events.

Conclusion: Post examination item analysis is crucial for building a high-quality Question bank. Also, it supports informed decisions regarding the moderation of marks in MCQ exams.

Keywords: Multiple choice Questions; Item Analysis; Difficulty Index; Discrimination Index.

This is an open-access article registered under the Creative Commons, ShareAlike 4.0 International license [CC BY-SA 4.0] [<https://creativecommons.org/licenses/by-sa/4.0/legalcode>].

Please cite this article as: Ismail MHR. Item Analysis and Decision Making for MCQ Exams [Oral Presentation]. IJMA 2021; 3 [2]: 1180. DOI: 10.21608/ijma.2021.72921.1303. [An abstract of online presentation submitted to the 10th annual conference of Damietta Faculty of Medicine, Al-Azhar University, Egypt. Held at March 25th, 2021.

* Main subject and any subcategories have been classified according to the research topic.

International Journal

<https://ijma.journals.ekb.eg/>

Print ISSN: 2636-4174

Online ISSN: 2682-3780

of Medical Arts