

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 47226

**Title:** Application of Big Data analysis in gastrointestinal research

**Reviewer's code:** 00039422

**Reviewer's country:** Italy

**Science editor:** Jia-Ping Yan

**Reviewer accepted review:** 2019-03-13 08:20

**Reviewer performed review:** 2019-03-14 15:56

**Review time:** 1 Day and 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This is a very accurate study about new frontiers in collecting and analysing data in health sciences. Field of applications cited as examples are very useful, as well as the tables. The references are updated and abundant. English language is correct. It is a valuable paper although not easy to read, worth of publication.



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## INITIAL REVIEW OF THE MANUSCRIPT

### *Google Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

### *BPG Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 47226

**Title:** Application of Big Data analysis in gastrointestinal research

**Reviewer's code:** 00053414

**Reviewer's country:** Iran

**Science editor:** Jia-Ping Yan

**Reviewer accepted review:** 2019-03-13 19:38

**Reviewer performed review:** 2019-03-24 17:19

**Review time:** 10 Days and 21 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This is a review article about Big Data Analysis in GI diseases that presents : 1- Definitions and current context including essence of BDA 2- Areas of application BDA: studying pathogenesis, finding possible drugs and proving therapeutic intervention efficacy. 3- BDA methodology : mostly focused on propensity score 4- Examples of



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BDA studies in GI May I recommend the following revision : a-Table 1 to be substituted with a concept map that contains the same content ; This enables readers to understand the whole idea and details b- Table 3 should include methodological points that the authors mentioned in this article i.e. fulfillment of 3v or using BDA softwares or statistical process for each of included studies.

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##### ***BPG Search:***

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- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 47226

**Title:** Application of Big Data analysis in gastrointestinal research

**Reviewer's code:** 03028174

**Reviewer's country:** Thailand

**Science editor:** Jia-Ping Yan

**Reviewer accepted review:** 2019-03-13 03:50

**Reviewer performed review:** 2019-04-01 04:05

**Review time:** 19 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input checked="" type="checkbox"/> Grade D: Fair	<input checked="" type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The article is aimed to review the use of big data research on gastrointestinal and liver diseases with recent published examples. The title is "THE APPLICATION OF BIG DATA ANALYSIS IN GASTROINTESTINAL RESEARCH". 1. This is a topic review. 2. Several factors influence the data analysis. Please discuss these factors. 3. What are



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the new knowledges from this study? 4. Finally, please recommend the readers “How to apply this knowledge for routine clinical practice?”.

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