

وہ فوق کل دنیا علیہم



وَزَارَةُ التَّعْلِيمِ الْعَالِيِّ وَابْحَثِ الْعِلْمِيَّ

جَامِعَةُ الْاَنْبَارِ

لِطَن كَلْبِيَّة ال زراعَة

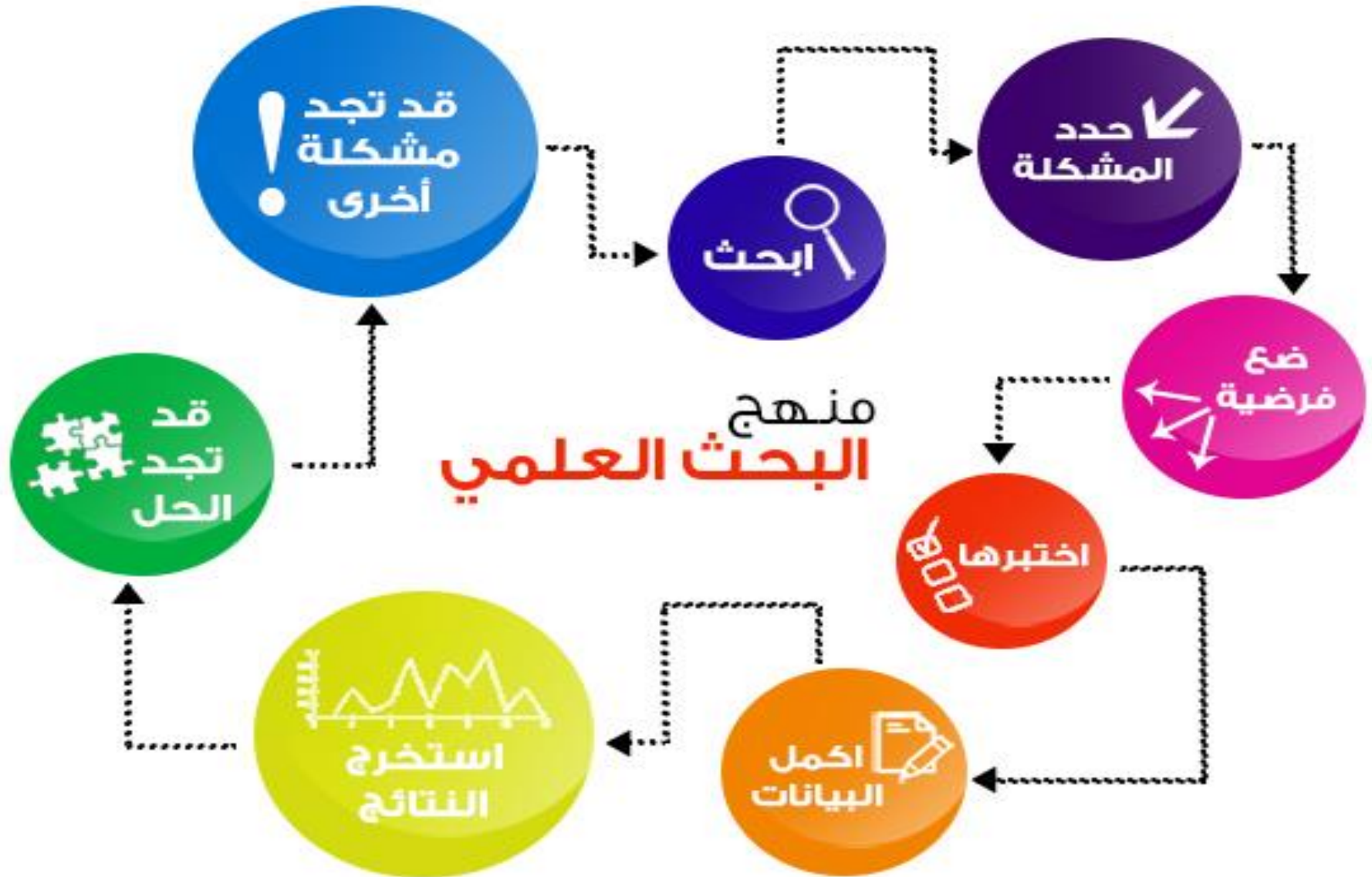
ال نطوان الرص نطوان ل طلبطاقة

لطان ال دك توطام

لطان ال امتطاقة وال ك ي في ة

لطان لظام نططام ح نطوان عي نطوان س رور

Scientific Research- Continuous steps



خطوات البحث العلمي

أولاً: البحث والاسئلة: كن ملماً بموضوعك:

اقرأ - اطلع

ثانياً: تحديد المشكلة: ينبغي ان تكون دقيقة

في تحديد المشكلة

ثالثاً: طرح الاسئلة: لابد ان تكون فرضياتك موجزة

واقابلة للاختبار

رابعاً: الاجابة على الاسئلة باختيار منهجية واضحة

لبحثك العلمي

خامساً: تحليل البيانات: من خلال تحليل الارقام والاعطيات

التي ظهرت في النتائج

سادساً: استخلاص النتائج: ماهي الصفات التي ستجمع

منها النتائج

سابعاً: بلورة النتائج: الخروج بتوصيات علمية من

شأنها ان تقدم حلول للمشكلة

Paper structure بناء البحت

(هيكلية)

- **Title**, authors and their affiliations

- **Abstract**

- **Keywords**

Main text (IMRAD)

- **Introduction**

- **Methods**

- **Results**

and

- **Discussion**

- **Conclusions**

- **Acknowledgements**

- **References**

- **Supplementary Data**

- Concise summary of article contents
 - Logical structure and development

Example of a well-written abstract:

For a signal-detection task, the Bayesian ideal observer is optimal among all observers because it incorporates all the statistical information about the raw data from an imaging system. The ideal-observer test statistic, the likelihood ratio, is difficult to compute when uncertainties are present in backgrounds and signals. In this work, we propose a new approximation technique to estimate the likelihood ratio. This technique is a dimensionality reduction scheme we will call the channelized ideal observer (CIO). We can reduce the high-dimensional integrals of the ideal observer to the low-dimensional integrals of the CIO by applying a set of channels to the image data. Lumpy backgrounds and circularly symmetric Gaussian signals are used for simulations studies. Laguerre-Gaussian (LG) channels have been shown to be useful for approximating ideal linear observers with these backgrounds and signals. For this reason, we choose to use LG channels for our analysis. The concept of efficient channels is introduced to closely approximate ideal observer performance with the CIO for signal-known-exactly (SKE) detection tasks. Our preliminary results using one to three LG channels show that the performance of the CIO is better than the channelized-Hotelling observer for the SKE detection tasks.

background

problem
statement

proposed
solution

results

S. Park et al., *Proc. SPIE* 5372, pp. 12-21 (2004)

Source: Cristian A. Linte, a and Christopher J. James, EMBC 14, USA

Good manuscript writing (precise, concise and rigorous)

Save your editor and reviewers the trouble
of guessing what you mean [3]

- **Complaint from an editor:**

“[This] paper fell well below my threshold. I refuse to spend time trying to understand what the author is trying to say. Besides, I really want to send a message that they can't submit garbage to us and expect us to fix it. My rule of thumb is that if there are more than **6 grammatical errors in the abstract**, then I don't waste my time carefully reading the rest.”

Methodology

- **Is your work reproducible**
- Your experimental results can be reproduced by others.
- **Conditions of the experiment with photos if possible**
- **Previously published procedures need not be described in depth:**
- **Identify the equipment and materials used**
- **Explain how you have done everything**

Results

- Findings/data of secondary importance should be captured in Supplementary Materials
- Minimal interpretation of results – **no comp.** literature unless - Results and Discussion
 - Results of the **statistical analysis**
 - Figures and tables

Discussion

- **Critical interpretation of the results**
 - Make the Discussion correspond to the Results
 - Make **statements** that are **supported by your data.**
 - Compare your **results to published results**
- Significance & Implications

Conclusion

- Not the same as a summary!
- Give conclusions that are supported by your result
- **Take Home Message**

Acknowledgments

Ensures those who helped in the research are recognised

English

- **Simple English mistakes**
 - Typos
 - **Punctuation**
 - Tenses (simple present)
 - **Long sentences** (22 words)
- **Sentence consist of (subject + verb), don't forget the verb**

-Fixing all English typos is very important

Sentence Structure

- Write direct and short sentences
- One piece of information per sentence
- Avoid multiple statements in one sentence

Tip: Read your manuscript out loud when proofreading. You will pick up on more errors and run-on sentences

Tenses _ when to use!

Present tense:

for known facts & hypotheses

Past tense:

for experiments conducted & results

Passive voice:

for important objective

2- Ginger proof reader

Document1 - Microsoft Word

Settings Ginger

Skip We **reports** the relevant result of an online survey study.

Approve We report the relevant result of an online survey study.

Abstract—In this paper, we present our more than two years research experiences on virtual R&D teams in small and medium-sized enterprises (SMEs) and draws conclusions, giving special attention to the structure of virtual teams required to support education-industry collaboration. We reports the relevant result of an online survey study. The online questionnaire was emailed by using the simple random sampling method to 947 manufacturing SMEs. The findings of this study show that SMEs in Malaysia and Iran are willing to use virtual teams for collaboration and the platform for industry-education collaboration is ready and distance between team members or differences in time zones, are not barriers to industry-education collaborations.

Page: 1 of 1 Words: 10/110 English (United States) 160%



Grammarly Review 2019

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Postgraduate student should write papers and publish them in an impact factor journals. This type of publications is from the graduation requirements. Therefore, PhD student should published at least one paper in journal in Scopus database.

Grammarly

- The postgraduate
- PhD → Ph.D.
- published → publish
- the journal
- the Scopus

5 critical issues

Page: 1 of 1 Words: 36 English (U.K.) 100%

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- Scientific content, logical connection, Writing, English, Structure, content, punctuation, English, acronyms, figures citation and the references list.



http://www.wayoflife.org/index_files/a_critical_eye.jpg

V1 Content

Brain Research Bulletin

Research report

A note on the probability distribution function of the surface electromyogram signal*

Kamosh Nazarpour^{1,2,3}, Ali H. Al-Timemy^{1,3}, Guido Rugnam¹, Andrew Jackson¹

ABSTRACT

The probability density function (PDF) of the surface electromyogram (sEMG) signal has been modeled with Gaussian and lognormal distribution functions. However, a general consensus upon the PDF of the sEMG signal yet to be reached because only one theoretical distribution function that is sufficient for the modeling function. In this study, we analyze the sEMG signal from an experimentally healthy, non-elderly distribution of the surface EMG signal with two statistical measures: lognormal and Gaussian distribution analysis. Our results indicate that the PDF of measured EMG signals is neither lognormal nor Gaussian. However, Bayesian Inference Method (BIM) can be used to estimate the surface EMG PDF based on a Gaussian distribution.

KEYWORDS: sEMG, PDF, Gaussian, lognormal, Bayesian Inference Method (BIM)

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V2 Logic

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V3 English

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V4 Figures

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V5 Punctuation

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V6 References

Brain Research Bulletin

Research report

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**Submitting
your paper**

What leads to **acceptance**?

- **A**ttention to details
- **C**heck and double check your work
- **C**onsider the reviewers' comments
- **E**nglish must be as good as possible
- **T**ake your time with revision
- **A**cknowledge those who have helped you
- **N**ew, original and previously unpublished
- **C**ritically evaluate your own manuscript
- **E**thical rules must be obeyed

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تقديم البحث
من قبل
المقيمين

إذا كان صالح
للنشر

نشر
البحث

تقديم للمجلة

تأليف
البحث

استشادات
سمعة علمية
تكريم

القرء
والباحثين حول
العالم

Thank You