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Study Abstract

Designing and Implementing an Interactive Computer Software for the Educational Technology Course to Measure its Impact on the Academic Achievement of the Teachers College's Students at Al Baha Zone

This study attempted to gauge the effect of designing and implementing an interactive computer software based upon the instructional technology course on the academic achievement of students studying at the teachers college in AL Baha zone . The six hypotheses formulated for the study are as follows:

- ١- There are statistically significant differences at the ٠.٠٥ level in the cognitive achievement post – test between the mean score of the first experimental group students who will study according to the combined instructional mode of the learning software and the traditional lecture style , and the mean score of the control group students learning through the conventional lecture technique , in favor of the experimental group students after a trial run for the test .
- ٢- There are no statistically significant differences at the ٠.٠٥ level in the cognitive achievement post – test between the mean score of the second experimental group students who will study according to the self – instruction mode using the learning software , and the mean score of students in the control group who learn according to the conventional lecture mode , after a trial run for the test .
- ٣- There are no statistically significant differences at the ٠.٠٥ level in the cognitive achievement post - test between the mean score of the first experimental group students who will learn using a mode of teaching that combined the learning software in addition to the conventional lecture , and the mean score of the second experimental group students who learn according to the self – instruction style based upon the learning software , after a trial run for the test .
- ٤- There are statistically significant differences at the ٠.٠٥ level in the skills of instructional technology between the mean score of students in the first experimental group who will study using the combined mode of the learning software and the traditional lecturing style , and the mean score of students in the control group who learn according to the conventional lecturing mode , in behalf of the first experimental group students .
- ٥- There are no statistically significant differences at the ٠.٠٥ level in the skills of educational technologies between the mean score of students in the second experimental group who will study according to self – instruction mode based upon the learning software , and the mean score of students in the control group who learn conventionally using the lecture style .
- ٦- There are no statistically significant differences at the ٠.٠٥ level in the skills of educational technologies between the mean score of students in the first experimental group who will study utilizing the combined mode of the learning software and the conventional lecturing style , and the mean score of students in the second experimental group who study through the self – instruction mode and using the learning software .

The researcher intended to design a learning software utilizing the Director system and based upon a model of design he presented as a proposal that has been judged by field experts . The designed software comprised three learning units in the course of Educational Technology which is among courses offered in Teachers college in the kingdom of Saudi Arabia . The learning software had been implemented through the quasi - experimental procedure (whose design included the use of two experimental groups and a control group) . The first experimental group studied through the combined mode of instruction that integrated the use of the learning software with the conventional lecture mode . The self – instruction mode had been used with the second experimental group whose members studied by themselves using the learning software while the control group learned by the traditional lecture style . Each group was comprised of ٧٠ students selected and assigned at random . Two instruments , the cognitive achievement test and the skills achievement test were prepared and whose validity and reliability had been verified . These tests were used as measuring instruments to test the study's hypotheses.

After running the experiment and analyzing the results employing some appropriate statistical analyses that included arithmetic means , standard deviations , analysis of covariance (ANCOVA) , the researcher analyzed the data , generated by the cognitive achievement test , to test the hypotheses formulated in this study (the first , second , and third hypotheses) Also , the t – test was used to analyze the data of the skills achievement test , which helped in testing the study's hypotheses (the fourth , fifth , and sixth) .

The results of the study revealed the superiority of the two experimental groups in their performance compared with that of the control group . The results also indicated non – existence of statistically significant differences between the performances of the two experimental groups because of the similarity of their performances . Based upon the study's results the researcher put forward a number of recommendations and suggestions most important among which were :

Non – dependence in the teaching of educational technology courses on the lecture method which focuses on theoretical aspects rather than on practical ideas ; and the need to employ other teaching / learning modes conducive to the integration of modern technological innovations aiming to strike a balance between theory and practice so that students mastery level can be raised , and their acquisition of valid scientific concepts and skills in the domain of educational technology can be realized and consolidated .

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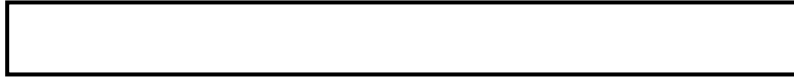
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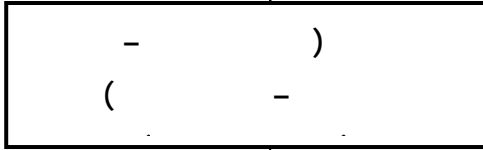
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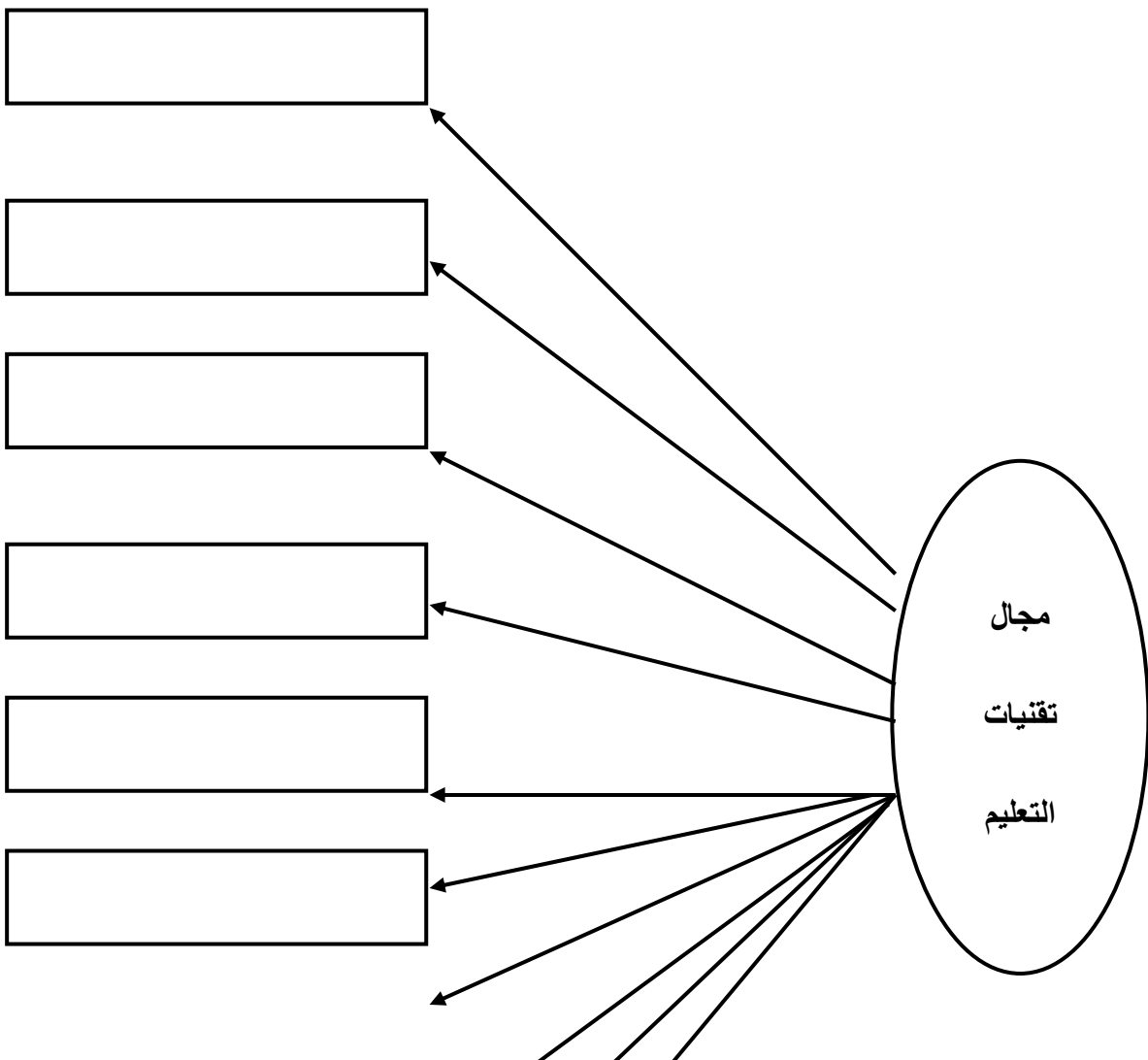


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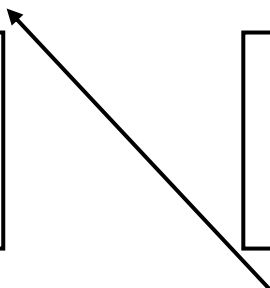
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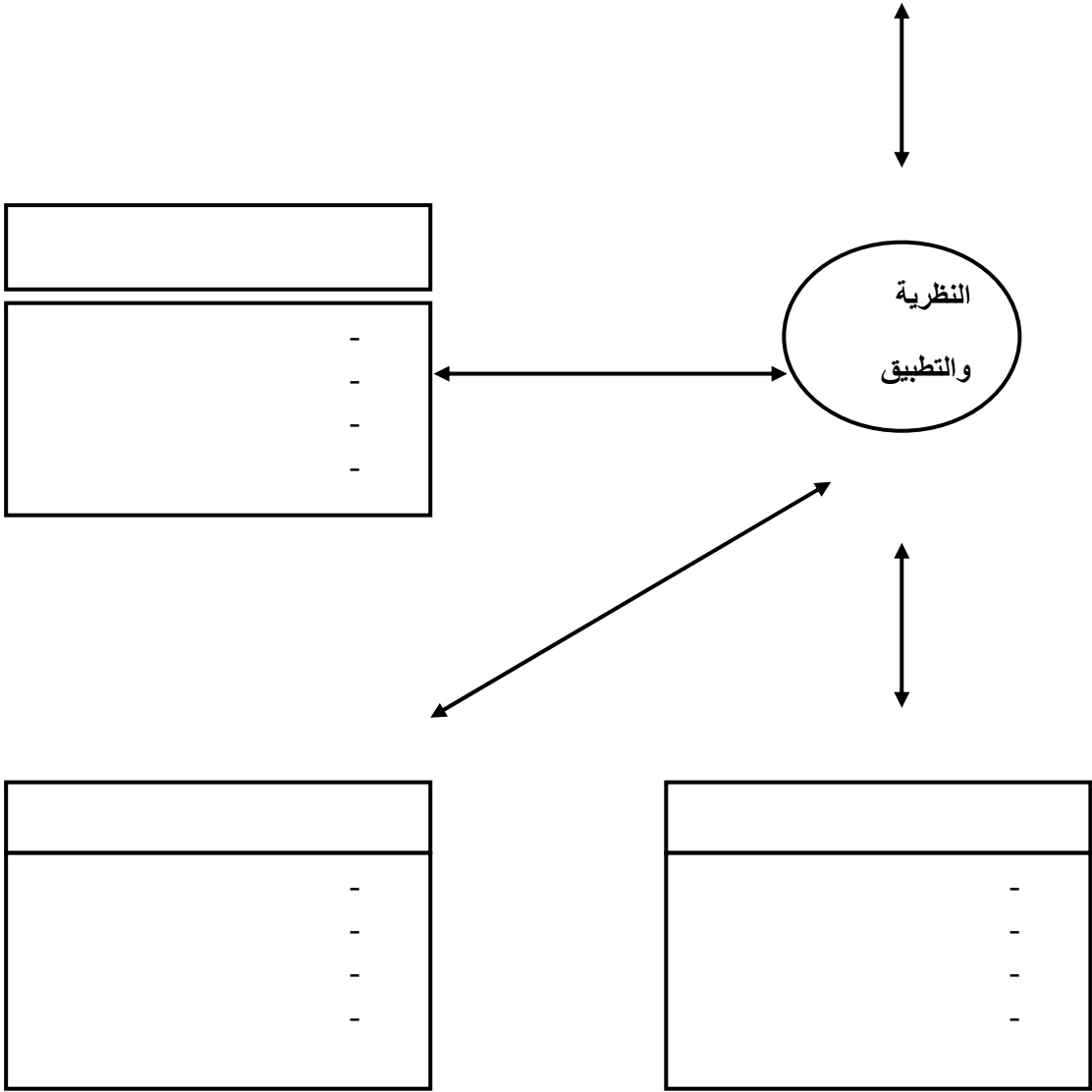
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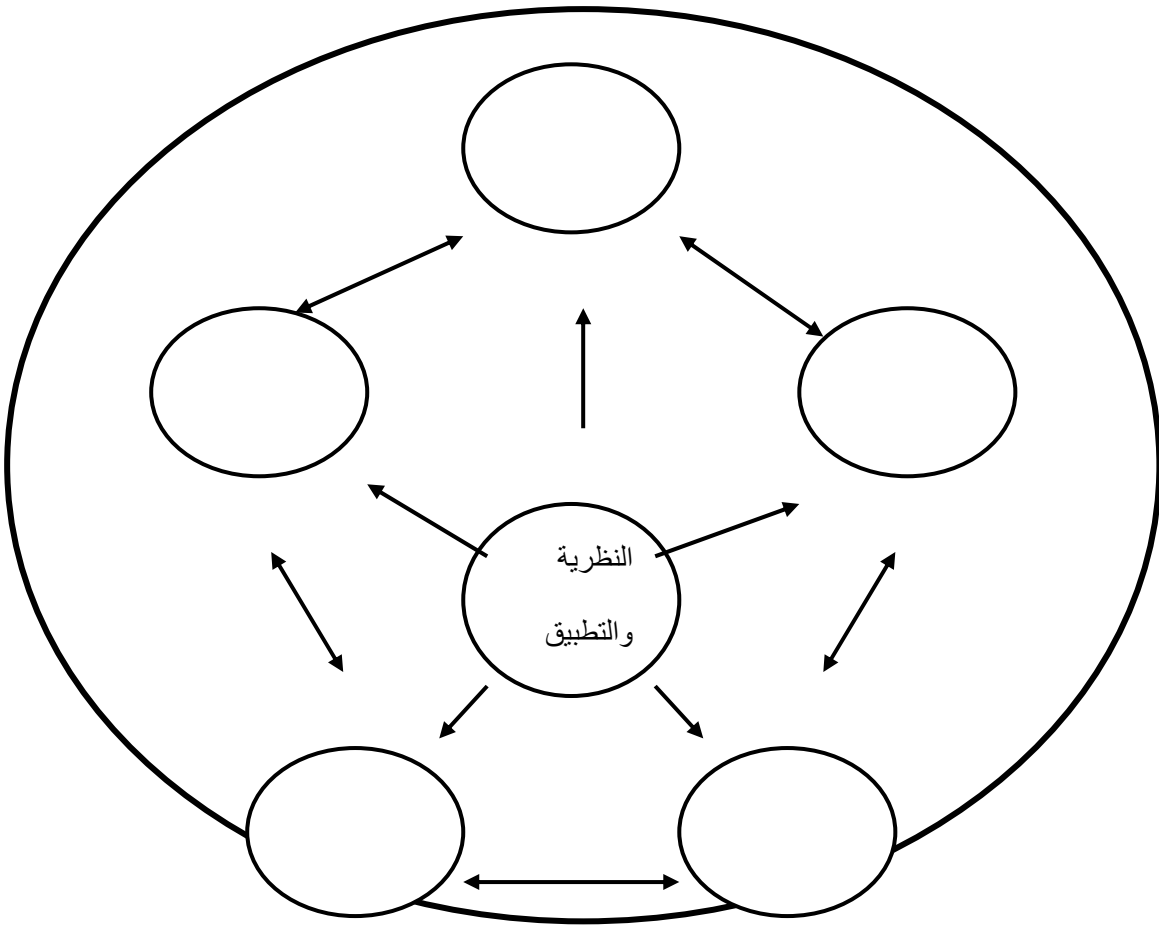
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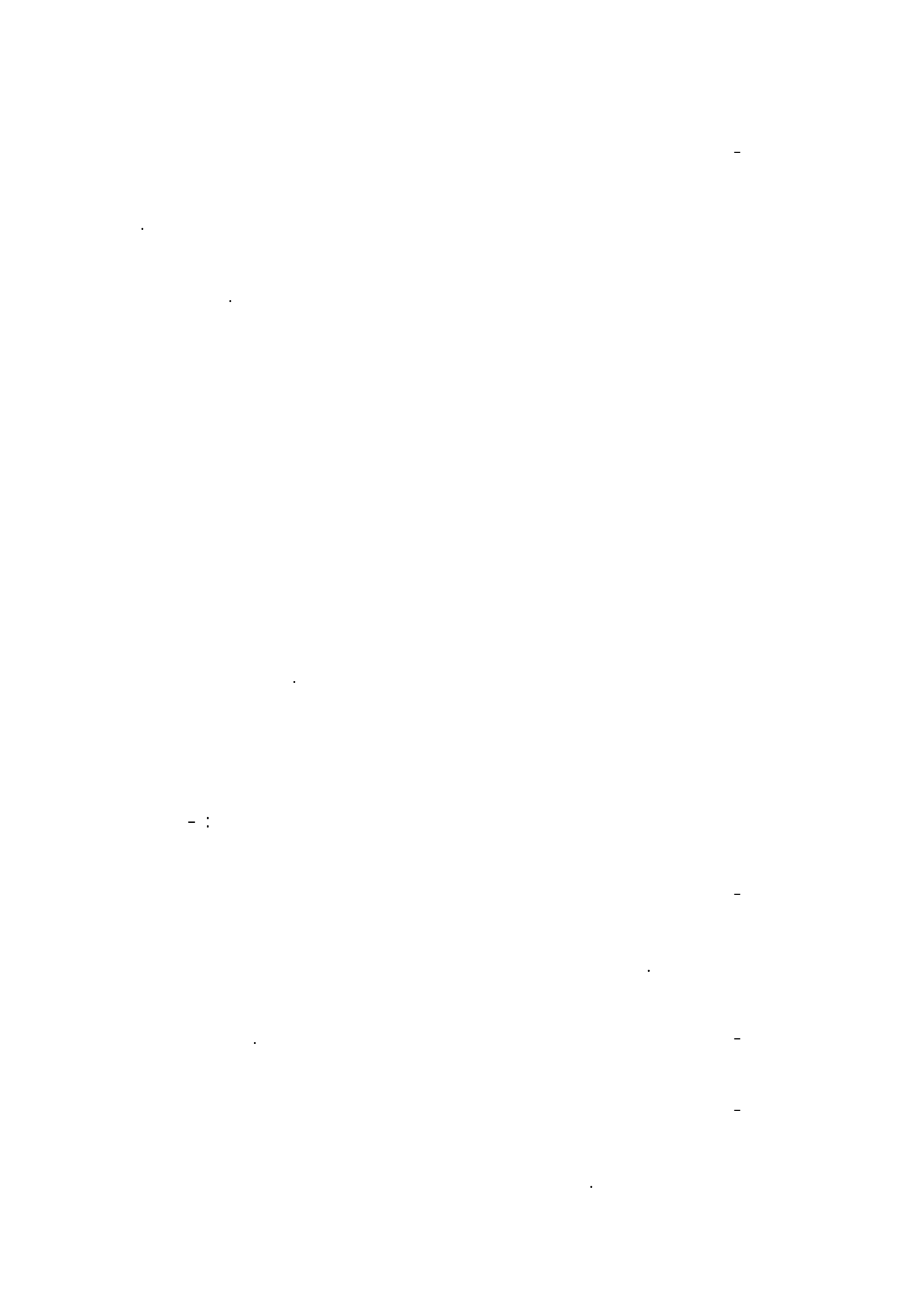
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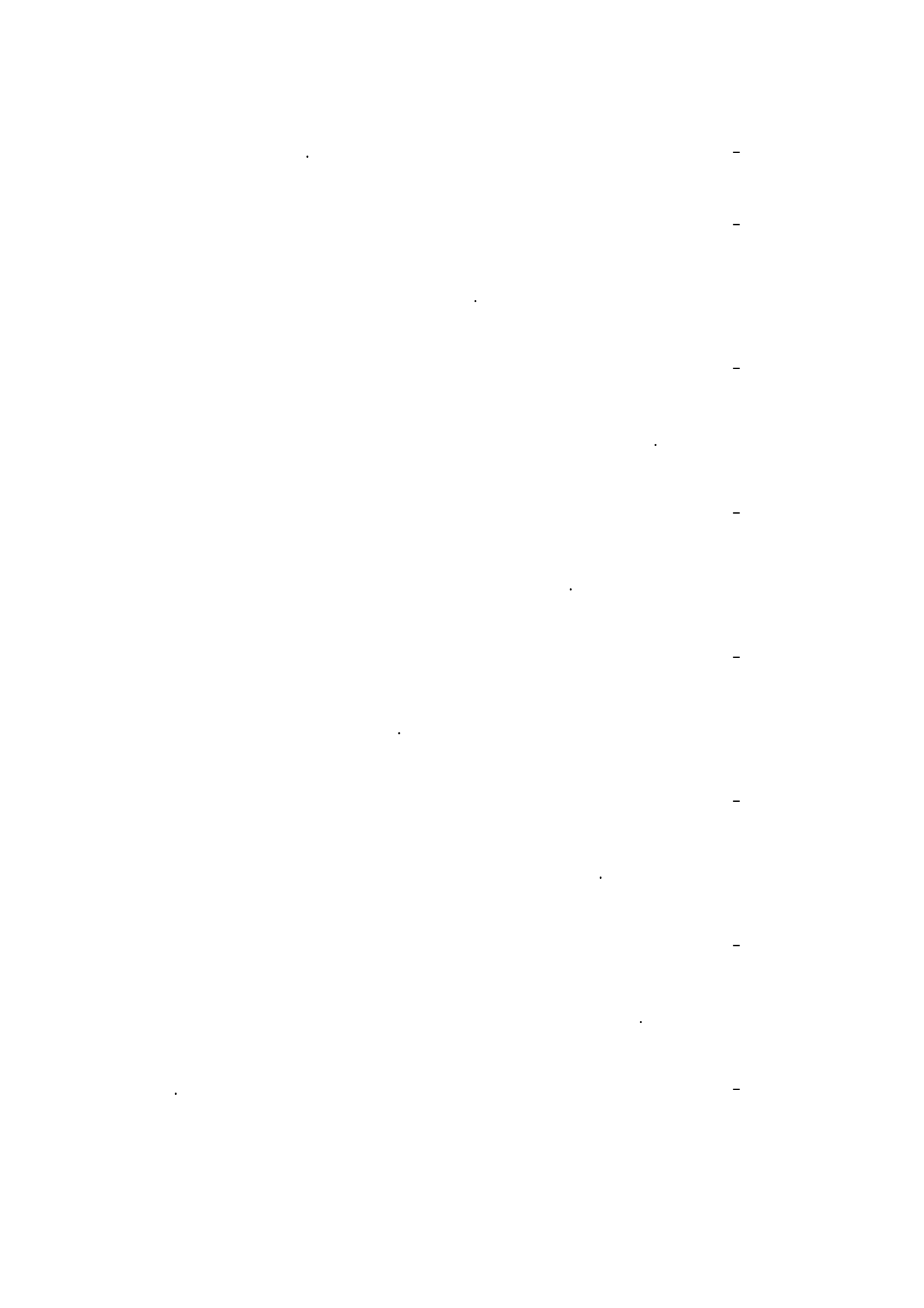
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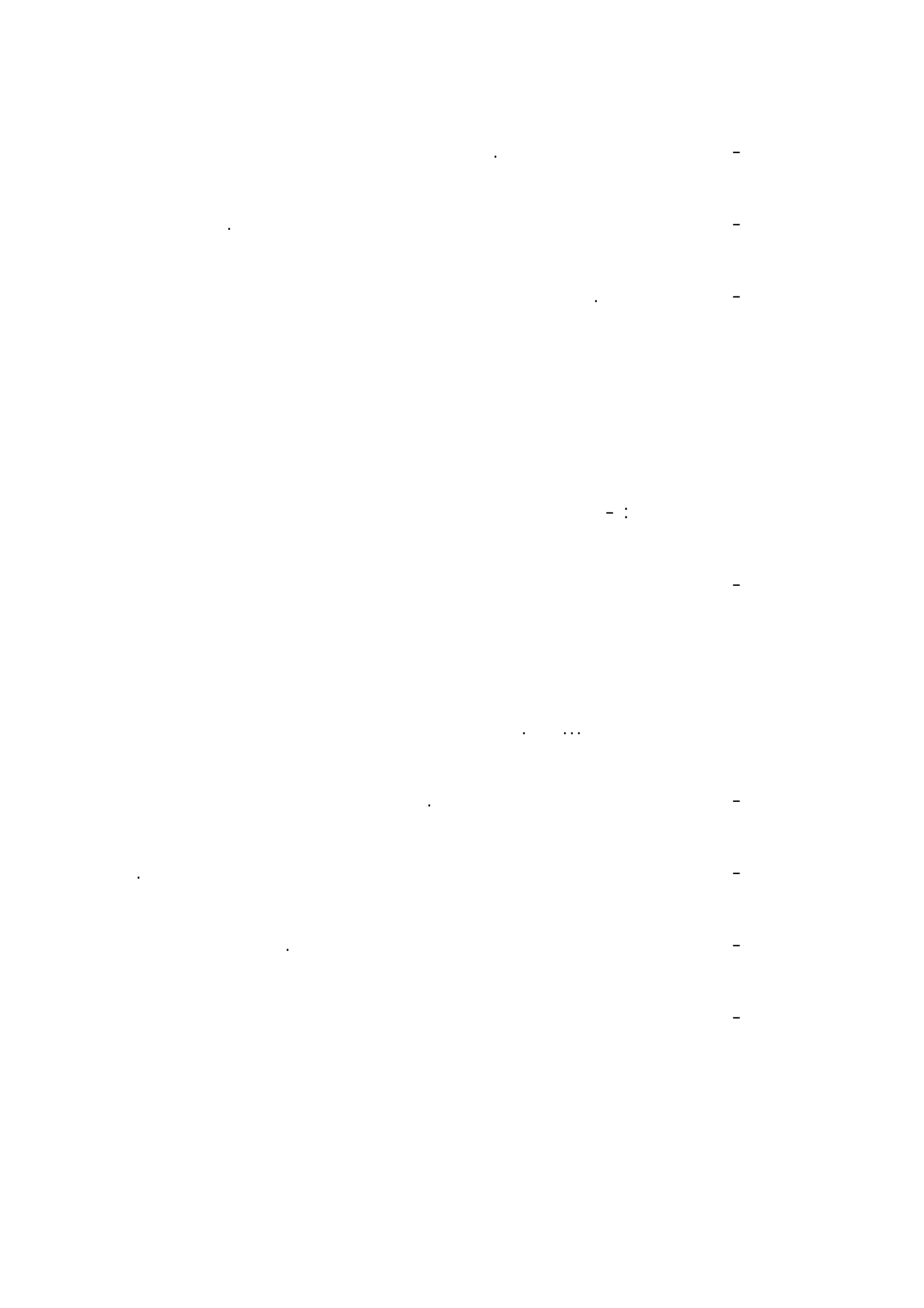
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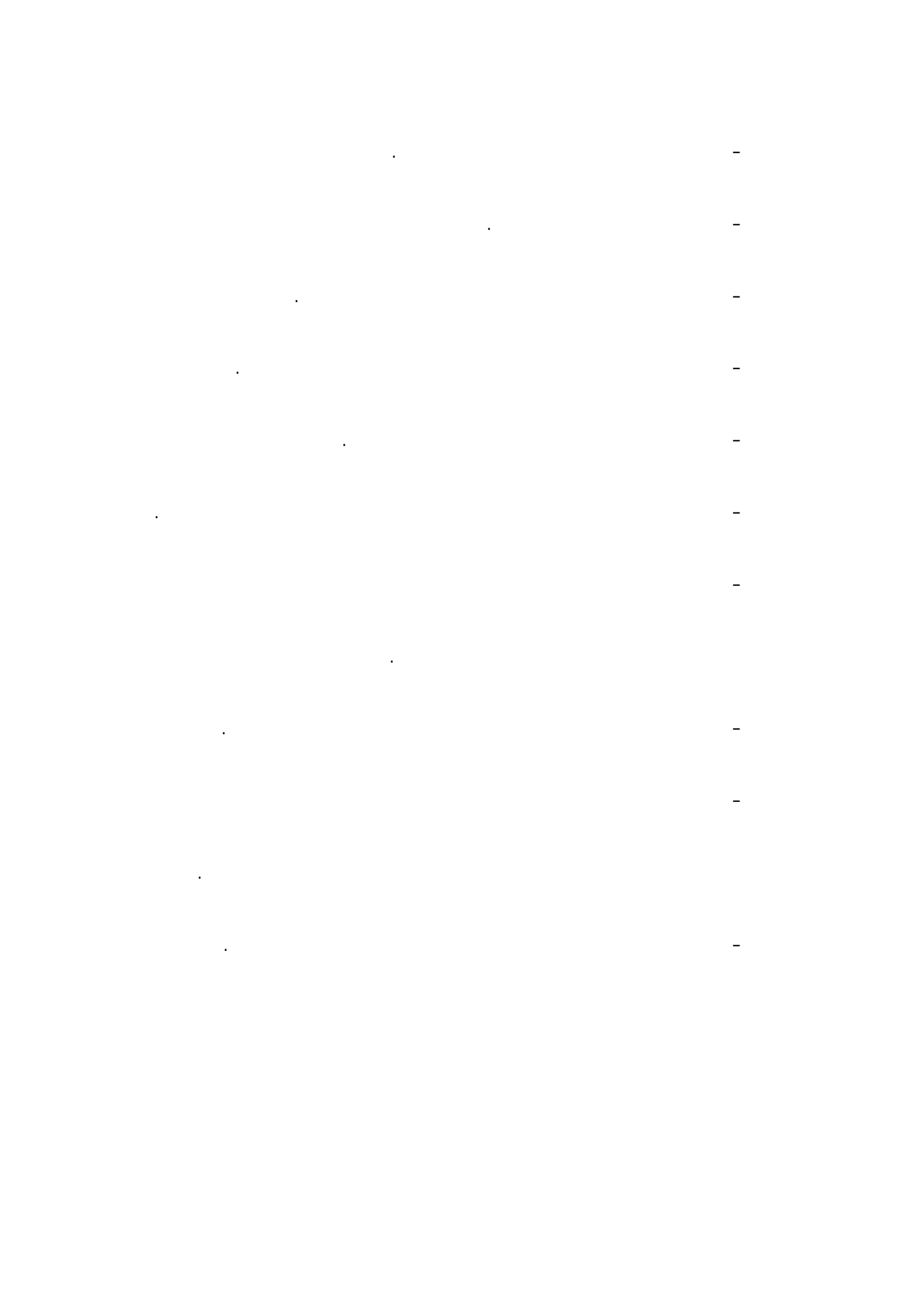
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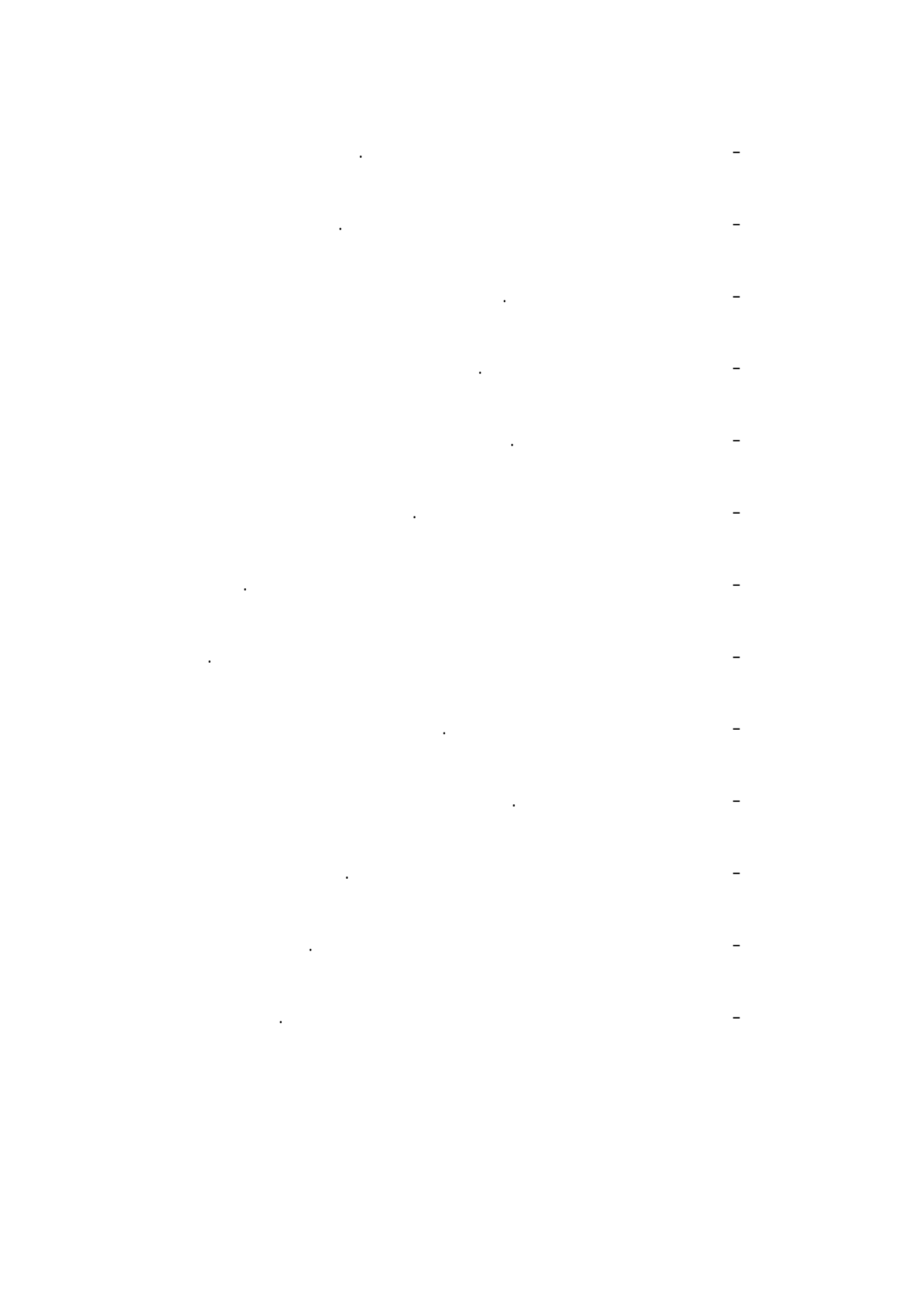
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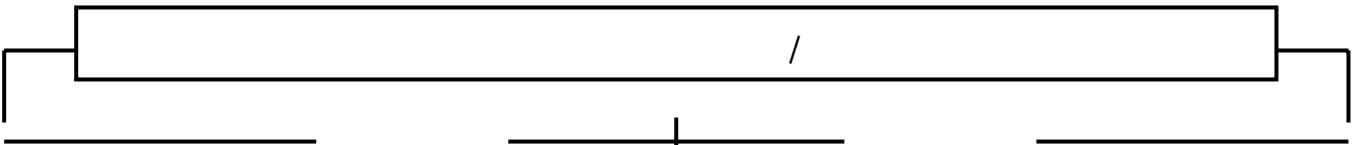
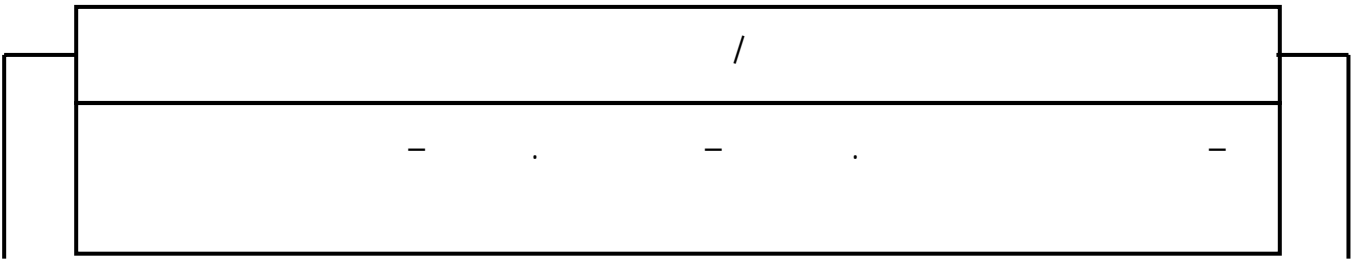
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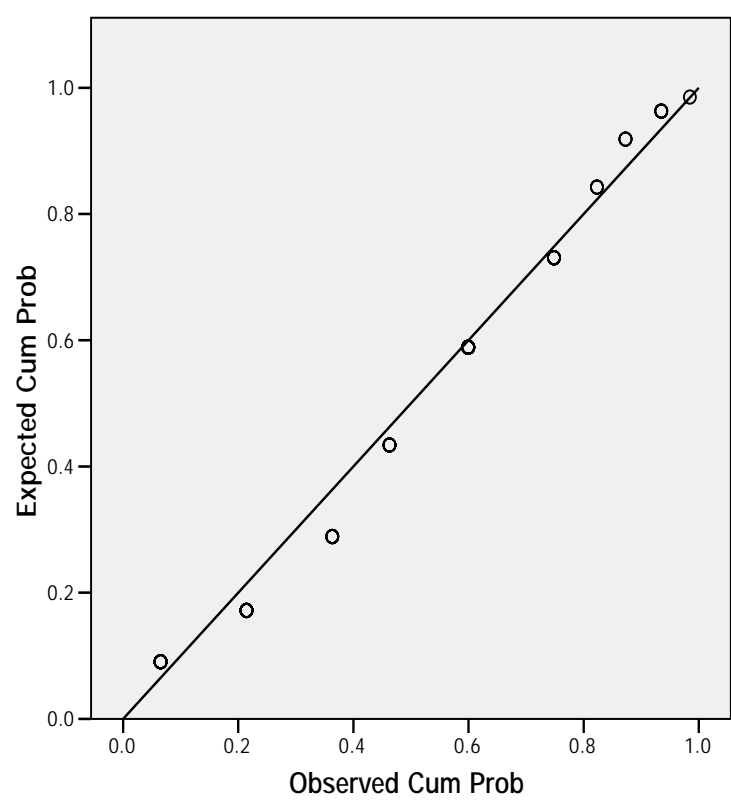
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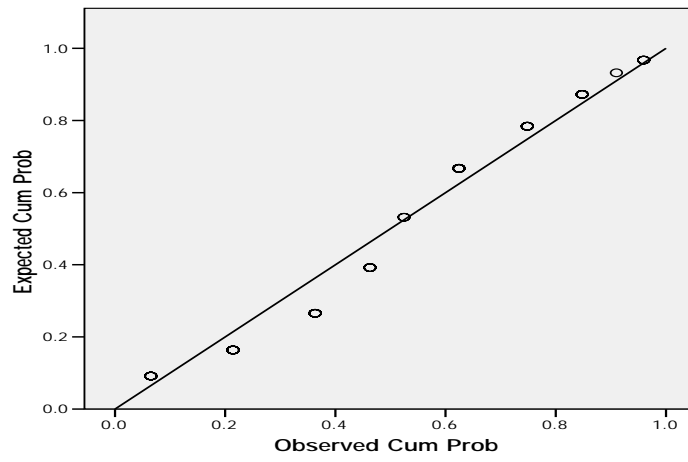
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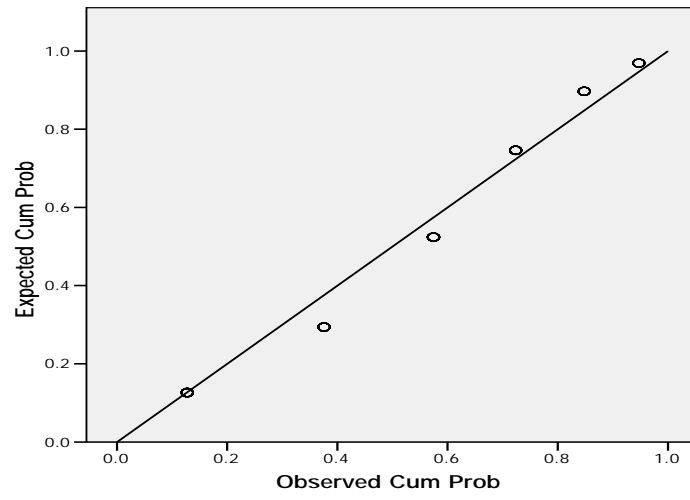
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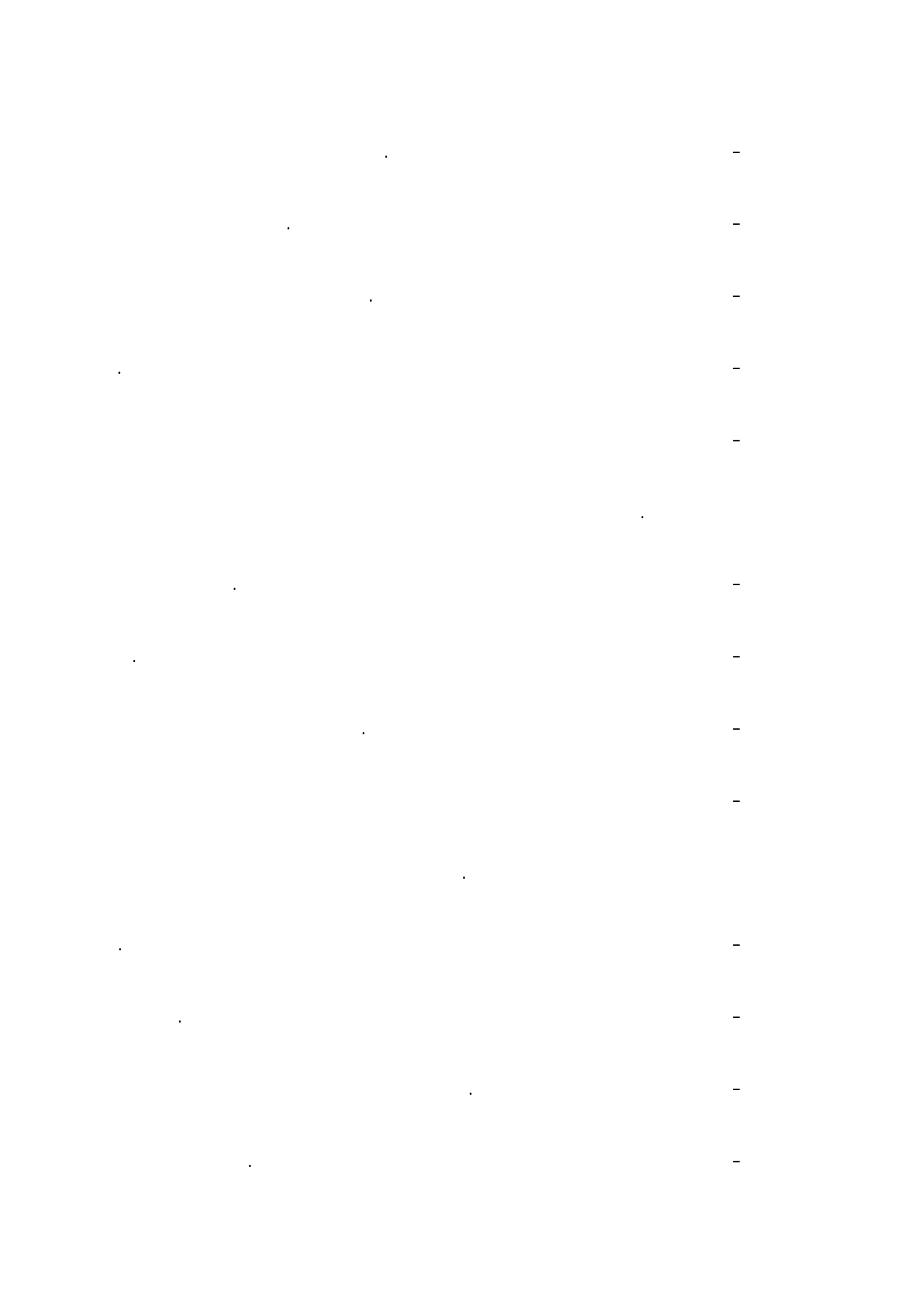
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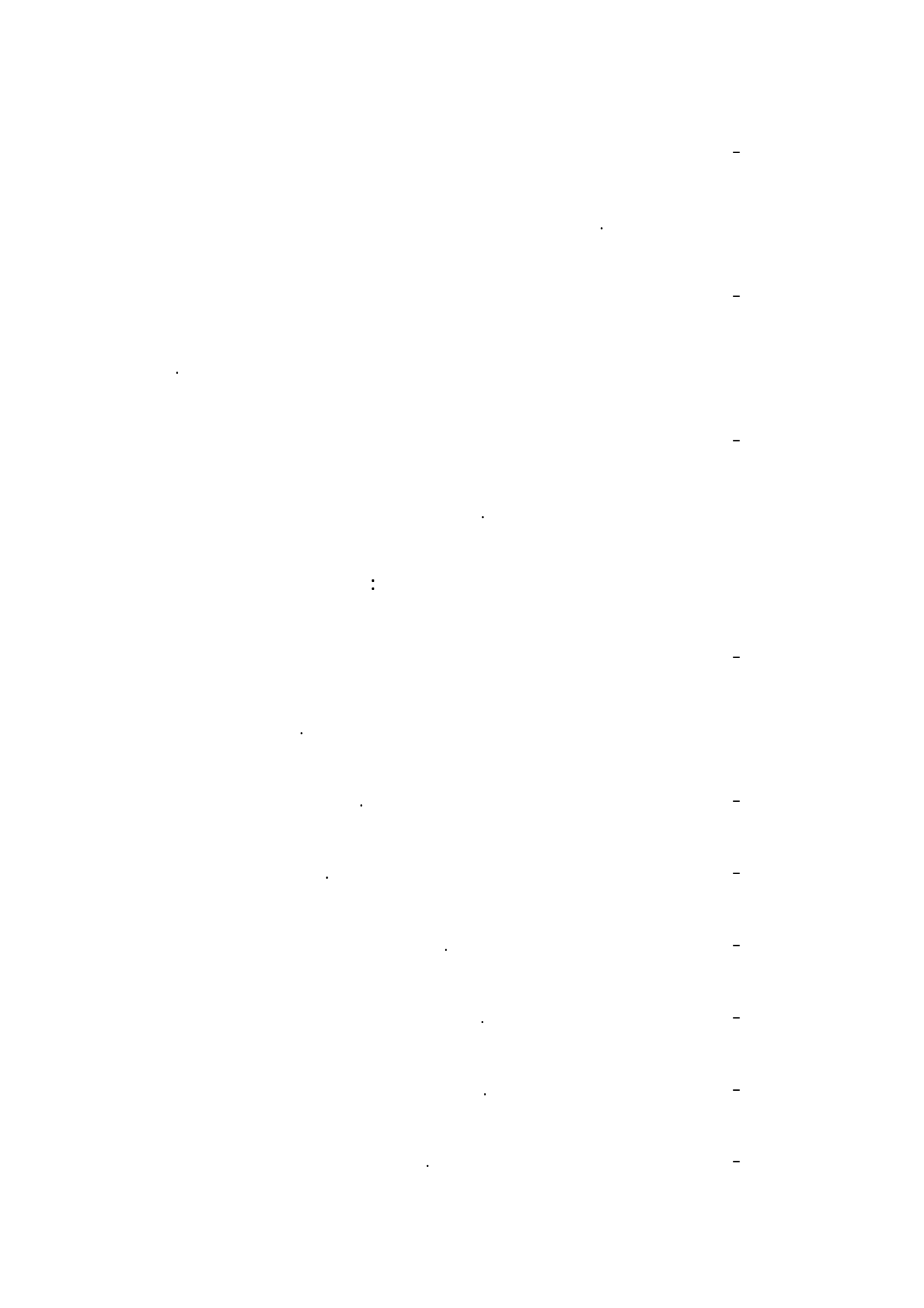
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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for ensuring transparency and accountability in financial operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for robust data management systems that can handle large volumes of information efficiently and securely.

3. The third part of the document focuses on the role of technology in modern data analysis. It explores how advanced software solutions and artificial intelligence can enhance the accuracy and speed of data processing and reporting.

4. The fourth part of the document addresses the challenges associated with data privacy and security. It discusses the importance of implementing strong security protocols and compliance measures to protect sensitive information from unauthorized access and breaches.

5. The fifth part of the document discusses the importance of data quality and integrity. It emphasizes that high-quality data is crucial for making informed decisions and generating reliable insights.

6. The sixth part of the document explores the various applications of data analysis in different industries. It provides examples of how data-driven insights can be used to optimize operations, improve customer experiences, and drive business growth.

7. The seventh part of the document discusses the future of data analysis and the emerging trends in the field. It highlights the potential of big data, cloud computing, and machine learning to revolutionize the way we collect, analyze, and use data.

8. The eighth part of the document provides a summary of the key findings and conclusions of the study. It reiterates the importance of data-driven decision-making and the need for continuous improvement in data management practices.

9. The ninth part of the document includes a list of references and sources used in the research. It provides a comprehensive overview of the literature and resources that informed the study.

10. The tenth part of the document contains a list of appendices and supplementary materials. These materials provide additional details and data that support the findings and conclusions of the study.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. This is essential for ensuring the integrity of the financial statements and for providing a clear audit trail. The records should be kept up-to-date and should be easily accessible to all relevant parties.

2. The second part of the document outlines the various methods used to collect and analyze data. These methods include interviews, surveys, and focus groups. Each method has its own strengths and weaknesses, and it is important to choose the most appropriate method for the specific research objectives.

3. The third part of the document describes the process of data analysis. This involves identifying patterns and trends in the data, and then interpreting these findings in the context of the research objectives. It is important to be objective and unbiased in this process, and to avoid drawing conclusions that are not supported by the data.

4. The final part of the document discusses the importance of reporting the results of the research. This involves writing a clear and concise report that summarizes the findings and provides recommendations for future action. The report should be written in a way that is easy to understand and that is accessible to all relevant parties.



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مقرر تقنيات التعليم



الإهداف العامة

الإهداف السلوكية

المحتوى التعليمي

☆ عرض

مقرر تقنيات التعليم



الإهداف العامة

- التعرف على المفاهيم الأساسية الصحيحة لمجال تقنيات التعليم.
- اكتساب المهارات اللازمة في مجال تقنيات التعليم.

خروج

الصفحة الرئيسية

مقرر تقنيات التعليم



الإهداف السلوكية

- الإهداف السلوكية للوحدة الأولى
- الإهداف السلوكية للوحدة الثانية
- الإهداف السلوكية للوحدة الثالثة

خروج

الصفحة الرئيسية

مقرر تقنيات التعليم



الإهداف السلوكية للوحدة الثانية (التصميم التعليمي)

- توضيح مفهوم التصميم التعليمي.
- توضيح أهمية التصميم التعليمي.
- مناقشة مراحل ومهارات التصميم التعليمي.
- عرض وتقديم نماذج التصميم التعليمي.
- تحديد الأدوار التي يقوم بها المعلم في مجال التصميم التعليمي.
- اقتراح نموذج في التصميم التعليمي.

خروج

خروج

الصفحة الرئيسية

مقرر تقنيات التعليم



المحتوى التعليمي

• الوحدة الأولى [مدخل إلى تقنيات التعليم]

• الوحدة الثانية [التصميم التعليمي]

• الوحدة الثالثة [الوسائط المتعددة]

خروج

الصفحة الرئيسية

مقرر تقنيات التعليم



الوحدة الأولى

[مدخل إلى تقنيات التعليم]

1- مرحلة تقنيات التعليم:

بعد ازدياد حركة الأهداف السلوكية، والتعليم المبرمج، والمعلم الإقناني، واستخدام مدخل النظم، ظهر مصطلح تقنيات التعليم. إن الإطار العام لتقنيات التعليم يدخل في إطار النظم متكامل، أكثر من عملية إنتاج مواد فقط أو إدارة أفراد فقط، أو الأجهزة التعليمية فقط، بل أكثر من الواجبات جميعاً. فما إن هذه العناصر لتدخل وتفاعل فيما يقصد بتحقيق أهداف تربوية محددة، وبإخذ هذا الملام نتائج الجهود العلمية فمن كل المصادر الإنسانية، والمادية، والتطبيقية. لتعرف جمعية تقنيات التعليم والاتصال الأمريكية (AECT) (1994) تقنيات التعليم هي: التطورية والتطبيقية فمن تصميم العمليات والمصادر وتطويرها واستخدامها وإدارتها وتقويتها من أجل التعليمية.

خروج

الصفحة الرئيسية

1994

مقرر تقنيات التعليم



الوحدة الثانية

[التصميم التعليمي]

مراحل ومهارات التصميم التعليمي

أمر عملية التصميم التعليمي، يتضمن مراحل أساسية، تضم كل مرحلة مجموعة من المهارات الرئيسة والفرعية، التي يجب أن يتقنها المصمم التعليمي، وكل من يشترك في عملية التصميم. حيث ترتب هذه العملية على أكمل وجه، وتوجد الإشارة إلى أن هذه المراحل هي: موهب ما يسمى بها في تصميم التعليم وتتمدد في المراحل التالية:

- مرحلة التحليل .
- مرحلة التصميم .
- مرحلة الإنتاج .
- مرحلة التنفيذ .
- مرحلة التقييم .

خروج

الصفحة الرئيسية

1994

مقرر تقنيات التعليم



الوحدة الثالثة (الوسائط المتعددة)

خطوات الإنتاج

تأليف خطوات الإنتاج :

مرحلة المونتاج : وهذه تشمل شطب اللقطات أو الإصوات غير المناسبة وترتيبها ترتيباً بحيث يتناسب مع التخطيط المسبق للتصميم .

مرحلة التوزيع : وتشمل التوزيع المبدئي للبرنامج قبل إنتاجه بأعداد كبيرة، وقد يتم التوزيع على مجموعة قليلة من الفئة المستهدفة (المتعلمين) .

الإنتاج النهائي : وفيها يتم نقل البرنامج على وسيط مناسب (ما (CD-ROM)

أو غيره حسب الحجم والسمة، وبالتالي تصميمه على الكمبيوتر .

خروج

الصفحة الرئيسية

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مقرر تقنيات التعليم



الوحدة الثانية تمارين الوحدة الثانية

1- يتضمن المفهوم العام للتصميم التعليمي :

- مفهوم الوسائل التعليمية .
- مفهوم وسائل إيضاح .
- مفهوم تقنيات التعليم .
- كل ما سبق ذكره صحيح .

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مقرر تقنيات التعليم



الوحدة الثالثة تمارين الوحدة الثالثة

11- من الأدوار التي يقوم بها المعلم المستخدم للوسائط المتعددة :

- دور المشاهد .
- دور المتفاعل والمتمركز .
- دور المنتج والمكون للمحتوى .
- كل ما سبق ذكره صحيح .

خروج

الصفحة الرئيسية

رجوع

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م	اسم المحكم	درجته العلمية	جهة عمله
١	محمد بن سليمان المشيخ	أستاذ	قسم الوسائل وتكنولوجيا التعليم بكلية التربية بجامعة الملك سعود
٢	عبد العزيز بن محمد العقيلي	أستاذ	قسم الوسائل وتكنولوجيا التعليم بكلية التربية بجامعة الملك سعود
٣	ناصر بن عبد الرحمن الفالح	أستاذ	جامعة البنات في الرياض تخصص المناهج وطرق التدريس
٤	علياء بنت عبد الله الجندي	أستاذ	قسم المناهج وطرق التدريس بكلية التربية بجامعة أم القرى
٥	إبراهيم بن محمود فلاته	أستاذ	قسم المناهج وطرق التدريس بكلية التربية بجامعة أم القرى
٦	ضيف الله بن عواض الثبيتي	أستاذ	قسم المناهج وطرق التدريس بكلية التربية بجامعة أم القرى
٧	إبراهيم بن أحمد عالم	أستاذ مشارك	قسم المناهج وطرق التدريس بكلية التربية بجامعة أم القرى
٨	إحسان بن محمد كنساره	أستاذ مشارك	قسم المناهج وطرق التدريس بكلية التربية بجامعة أم القرى
٩	سعد بن عبد الرحمن الدايل	أستاذ مشارك	قسم تقنيات التعليم بكلية المعلمين في الرياض
١٠	عبد الحافظ بن محمد سلامة	أستاذ مشارك	قسم تقنيات التعليم بكلية المعلمين في الرياض