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قصص

ترجمة وتقديم
د. عبد الحميد يونس



حكايات أندرسن

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تأليف

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ترجمة وتقديم

الدكتور عبد الحميد يونس

طبقا لقوانين الملكية الفكرية

جميع حقوق النشر و التوزيع الالكتروني
لهذا المصنف محفوظة لكتب عربية. يحظر
نقل أو إعادة نسخ أو إعادة بيع أى جزء من
هذا المصنف و بثه الكترونيا (عبر الانترنت أو
للمكتبات الالكترونية أو الأقراص المدمجة أو أى
وسيلة أخرى) دون الحصول على إذن كتابي من
كتب عربية. حقوق الطبع الورقى محفوظة
للمؤلف أو ناشره طبقا للتعاقدات السارية.

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٣٩٣	الدكتور/ عبد الحميد يونس

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the \mathbb{R}^n -valued function \mathbf{f} is a solution of the system (1) if and only if \mathbf{f} satisfies the system of ordinary differential equations

$$\dot{\mathbf{f}} = \mathbf{f} \mathbf{A}(\mathbf{f}), \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (2)$$

where $\mathbf{A}(\mathbf{f})$ is the matrix $\mathbf{A}(\mathbf{f}) = \mathbf{A}(\mathbf{f}, \mathbf{f})$ and \mathbf{f}_0 is the initial value of \mathbf{f} at $t = 0$.

Let us assume that the matrix $\mathbf{A}(\mathbf{f})$ is invertible for all \mathbf{f} in the domain of definition of \mathbf{f} . Then the system (2) can be written in the form

$$\dot{\mathbf{f}} \mathbf{A}(\mathbf{f})^{-1} = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (3)$$

where $\mathbf{A}(\mathbf{f})^{-1}$ is the inverse of the matrix $\mathbf{A}(\mathbf{f})$. The system (3) is a system of ordinary differential equations of the form

$$\dot{\mathbf{f}} \mathbf{B}(\mathbf{f}) = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (4)$$

where $\mathbf{B}(\mathbf{f}) = \mathbf{A}(\mathbf{f})^{-1}$. The system (4) is a system of ordinary differential equations of the form

$$\dot{\mathbf{f}} \mathbf{C}(\mathbf{f}) = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (5)$$

where $\mathbf{C}(\mathbf{f}) = \mathbf{B}(\mathbf{f})$. The system (5) is a system of ordinary differential equations of the form

$$\dot{\mathbf{f}} \mathbf{D}(\mathbf{f}) = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (6)$$

where $\mathbf{D}(\mathbf{f}) = \mathbf{C}(\mathbf{f})$. The system (6) is a system of ordinary differential equations of the form

$$\dot{\mathbf{f}} \mathbf{E}(\mathbf{f}) = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (7)$$

where $\mathbf{E}(\mathbf{f}) = \mathbf{D}(\mathbf{f})$. The system (7) is a system of ordinary differential equations of the form

$$\dot{\mathbf{f}} \mathbf{F}(\mathbf{f}) = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (8)$$

where $\mathbf{F}(\mathbf{f}) = \mathbf{E}(\mathbf{f})$. The system (8) is a system of ordinary differential equations of the form

$$\dot{\mathbf{f}} \mathbf{G}(\mathbf{f}) = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (9)$$

where $\mathbf{G}(\mathbf{f}) = \mathbf{F}(\mathbf{f})$. The system (9) is a system of ordinary differential equations of the form

$$\dot{\mathbf{f}} \mathbf{H}(\mathbf{f}) = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (10)$$

where $\mathbf{H}(\mathbf{f}) = \mathbf{G}(\mathbf{f})$. The system (10) is a system of ordinary differential equations of the form

$$\dot{\mathbf{f}} \mathbf{I}(\mathbf{f}) = \mathbf{f}, \quad \mathbf{f}(0) = \mathbf{f}_0, \quad (11)$$

where $\mathbf{I}(\mathbf{f}) = \mathbf{H}(\mathbf{f})$. The system (11) is a system of ordinary differential equations of the form

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"I'm not a doctor, but I think you should see a doctor."

"I'm not a doctor, but I think you should see a doctor."

"I'm not a doctor, but I think you should see a doctor."

"I'm not a doctor, but I think you should see a doctor."

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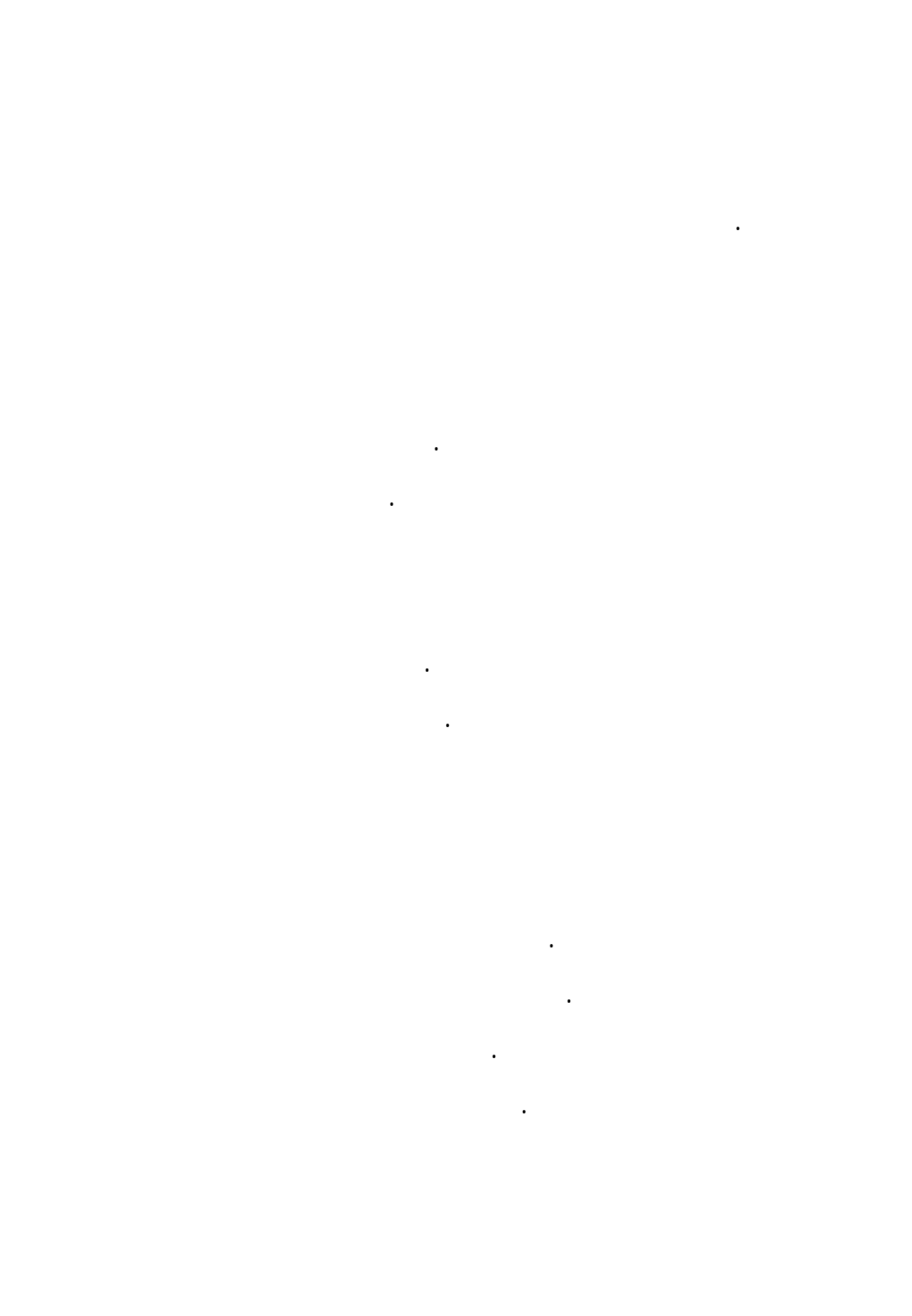
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“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

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Figure 1. A 3D plot showing the relationship between the number of species (S) and the number of individuals (N) for 10 different species. The plot is a scatter plot with a fitted curve. The x-axis is labeled "Number of individuals" and ranges from 0 to 100. The y-axis is labeled "Number of species" and ranges from 0 to 10. The data points are labeled with species names: "S1" through "S10". The fitted curve is a smooth, increasing line that levels off as the number of individuals increases. The species names are placed near their respective data points: "S1" at (1,1), "S2" at (2,2), "S3" at (3,3), "S4" at (4,4), "S5" at (5,5), "S6" at (6,6), "S7" at (7,7), "S8" at (8,8), "S9" at (9,9), and "S10" at (10,10). The fitted curve passes through these points and continues to rise more gradually towards (100,10).

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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 reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to ensure the validity of the results.

3. The third part of the document describes the different types of data that are collected and analyzed. It includes information on both quantitative and qualitative data, as well as the various sources and methods used to obtain this information.

4. The fourth part of the document discusses the various statistical methods and techniques used to analyze the data. It covers topics such as descriptive statistics, inferential statistics, and regression analysis, among others.

5. The fifth part of the document discusses the various ways in which the results of the analysis can be presented and communicated. It includes information on the use of tables, graphs, and charts, as well as the importance of clear and concise communication.

6. The sixth part of the document discusses the various ways in which the results of the analysis can be used to inform decision-making. It includes information on the use of the results to identify trends, patterns, and areas for improvement, as well as the importance of using the results to inform policy and practice.

7. The seventh part of the document discusses the various ways in which the results of the analysis can be used to inform research and development. It includes information on the use of the results to identify new areas for research and development, as well as the importance of using the results to inform the design and development of new products and services.

8. The eighth part of the document discusses the various ways in which the results of the analysis can be used to inform education and training. It includes information on the use of the results to identify areas for improvement in education and training, as well as the importance of using the results to inform the design and development of new educational programs and courses.

9. The ninth part of the document discusses the various ways in which the results of the analysis can be used to inform public policy and practice. It includes information on the use of the results to identify areas for improvement in public policy and practice, as well as the importance of using the results to inform the design and development of new public policies and programs.

10. The tenth part of the document discusses the various ways in which the results of the analysis can be used to inform the private sector. It includes information on the use of the results to identify areas for improvement in the private sector, as well as the importance of using the results to inform the design and development of new products and services.

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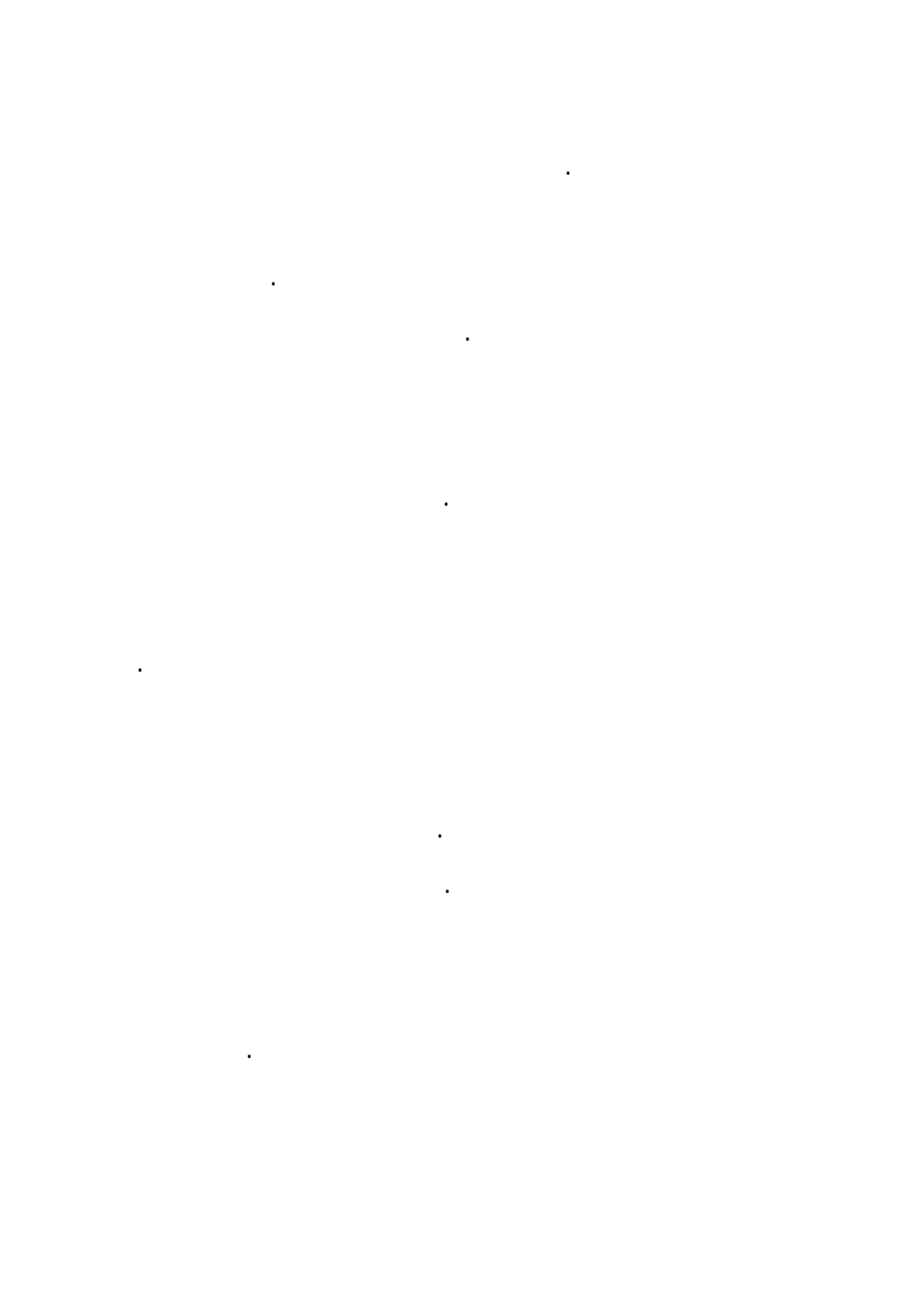
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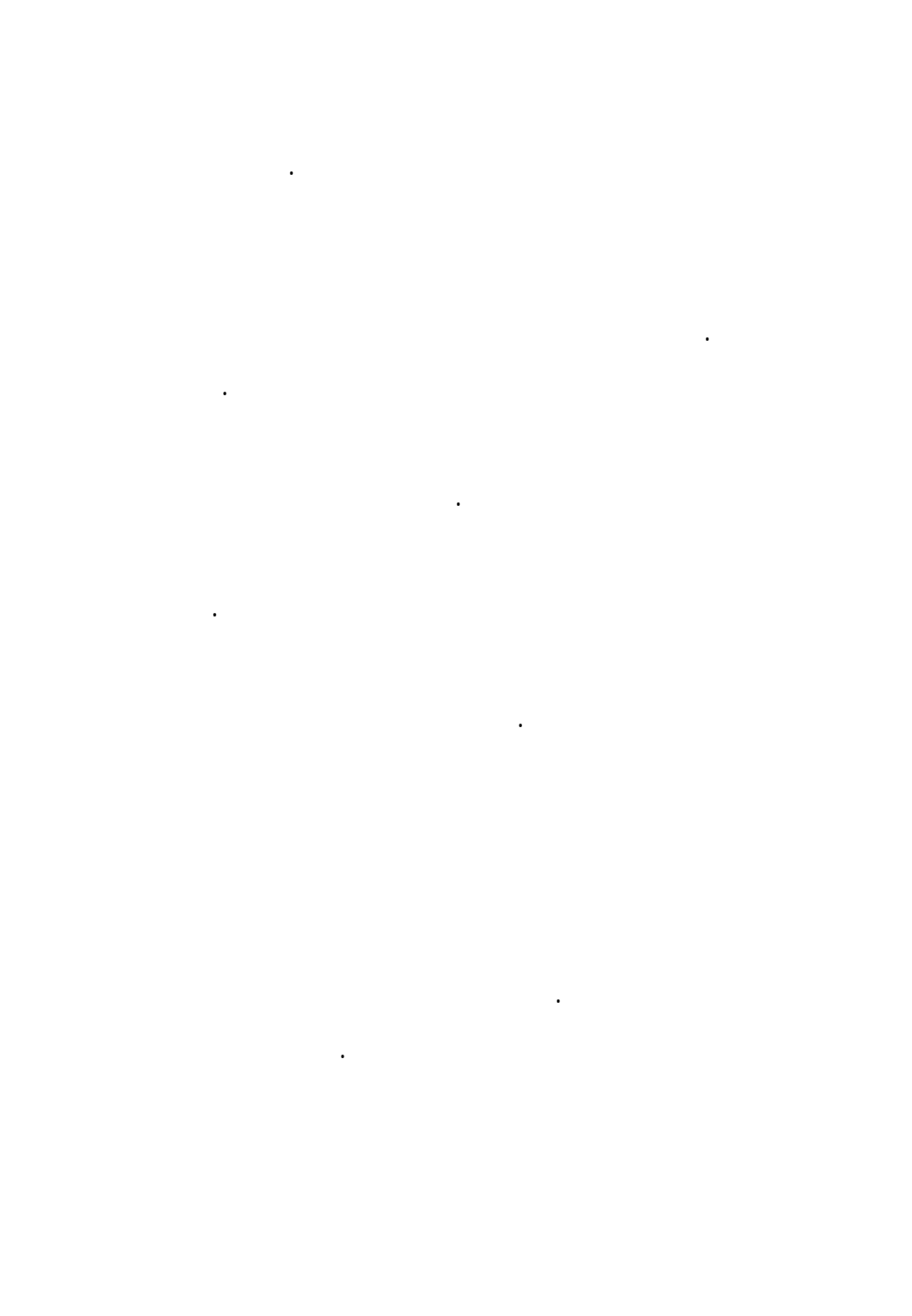
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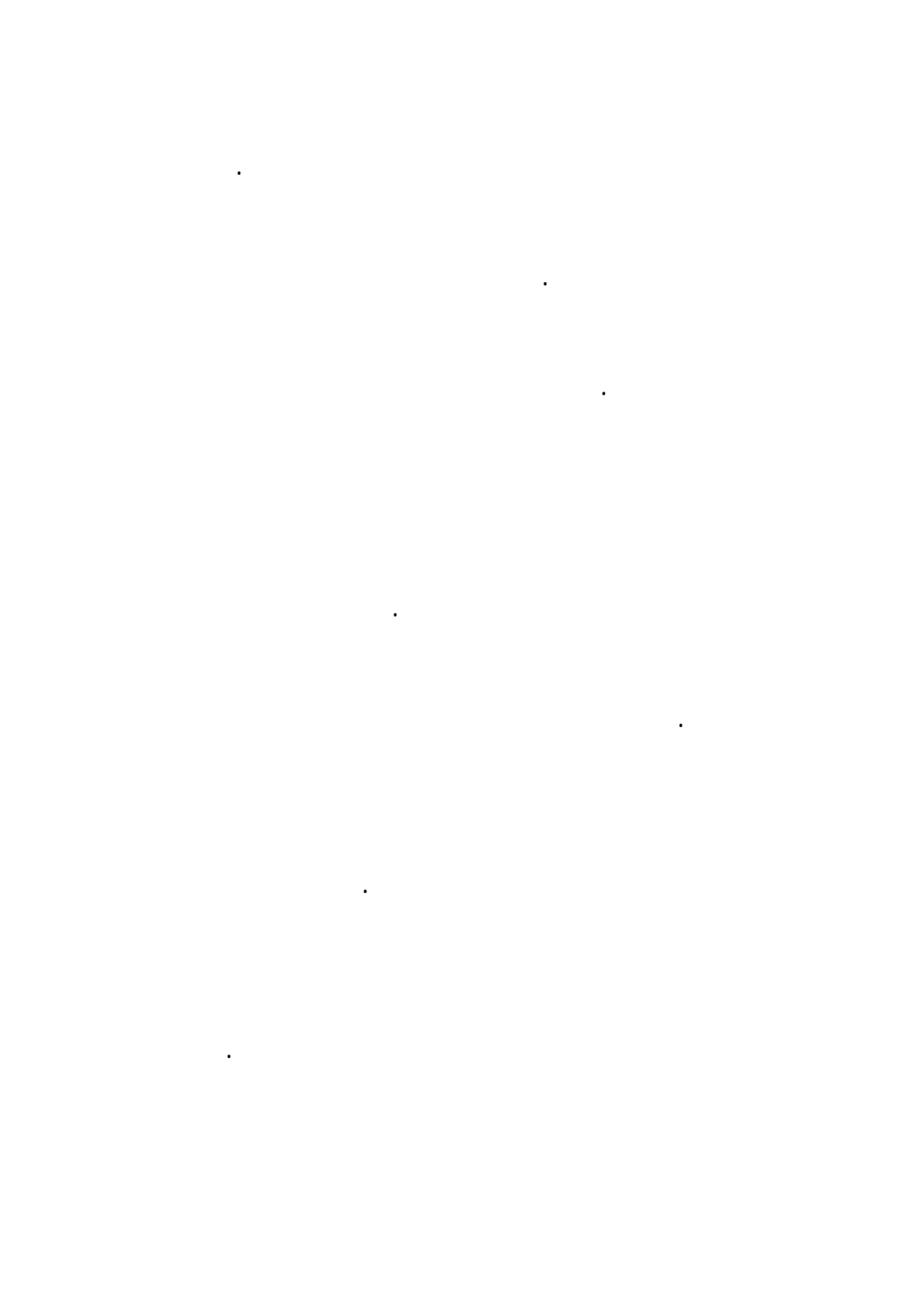
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“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

“你這人，怎麼這樣！”

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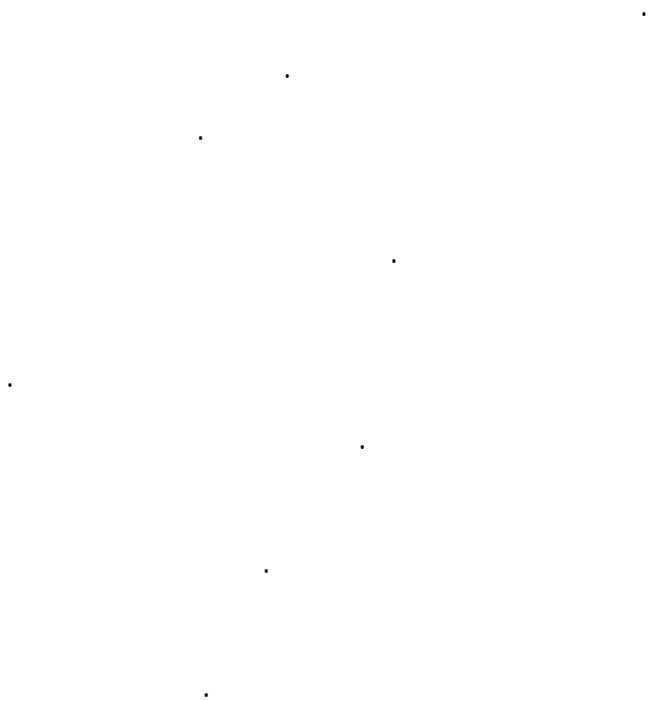
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