

Academic Writings and Presentations

Sentences

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Useful Links

结构化写作 / 文献例句 / 写作技巧

请输入检索内容

摘要 研究背景 方法与材料 结果 讨论 结论 致谢 学术通用描述

- 突出主题的重要性
- 回顾本研究相关的文献和背景
- 概述本研究可能未来发展
- 表明知识差距和可能的局限性
- 说明你论文的目标
- 说明本论文使用的方法
- 陈述关键发现

01 X is a classic problem in ... ⓘ
X是...中的经典问题
例句: Estimating the total number of UIS **in** the entire body of an infected animal ecology known as the unseen species **problem**

02 X is vital for ... ⓘ
X对...至关重要

<http://www.citexs.com/Writing>

Active vs. Passive

- **Passive tenses are used more often in scientific writings in old days.**
 - **The device is fabricated through ...**
 - **The samples are collected with ...**

- **Active tenses are more and more used since 2000s.**
 - **In this paper, we demonstrate that ...**
 - **Researchers have found that ...**

Active vs. Passive

■ Example

- The steps for synthesis **followed** a previously reported process (21). Briefly, adding equimolar amounts of citric acid (Fisher Scientific) and 1,8-octanediol (Alfa Aesar) to a 500 ml round bottom flask **prepared** the system for esterification. A stream of N₂ (500 ml/min) **provided** an inert atmosphere. Submerging the flask in a 140° C silicone oil bath under constant magnetic stirring **melted** the reactants after ~20 min. Reacting for an additional 30 min **produced** a viscous, clear prepolymer which was stored in sealed vials (21° C, 40% RH).

Comparison

■ The number of students is greater than last year.



■ There's more gas in his car compared to my car.



■ Compared to yesterday, I feel a lot better.



orange



apple






Comparison

- The amount of IC chips produced by China is more than USA.



Q: rewrite?

Comparison

- The amount of IC chips produced by China is more than USA. 
- The amount of IC chips produced by China is more than **that** produced by USA. 
- The IC chips produced by China are more than **those** produced by USA. 
- China produces more IC chips than USA (**does**). 
- **Compared to USA**, China produces more IC chips. 

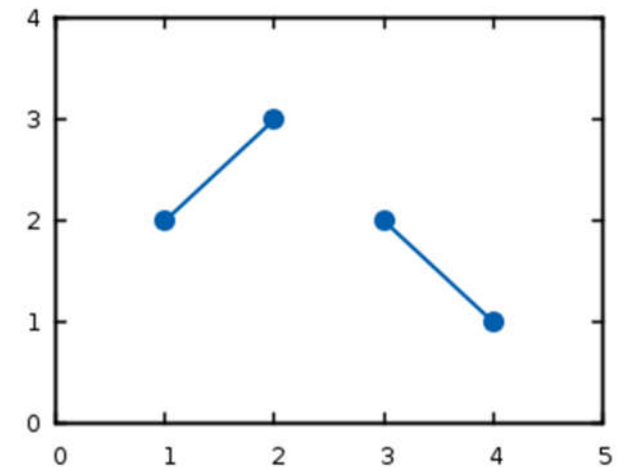
Data Commentary

- **Figure 1 shows / provides / plots / illustrates / depicts /...**
- **... are listed / revealed in Figure 1.**
- **In Figure 1, we analyze / examine ...**



Data Commentary

- As can be seen, ...
- One can observe that ...
- It is worthwhile to note that ...
- Notably, ...
- The results suggest / indicate that ...
- We demonstrate ...



Data Commentary

5: WRITING SUMMARIES

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TABLE 15. High-Frequency Reporting Verbs

Discipline	Verbs and Frequency					
	Rank					
	1	2	3	4	5	6
Harder Sciences						
Biology	describe	find	report	show	suggest	observe
Physics	develop	report	study	find	expand	
Electrical Engineering	propose	use	describe	show	publish	develop
Mechanical Engineering	describe	show	report	discuss	give	develop
Epidemiology	find	describe	suggest	report	examine	show
Nursing	find	suggest	report	identify	indicate	show
Medicine	show	report	demonstrate	observe	find	suggest
Softer Sciences						
Marketing	suggest	argue	find	demonstrate	propose	show
Applied linguistics	suggest	argue	show	explain	find	point out
Psychology	find	show	suggest	report	demonstrate	focus
Sociology	argue	suggest	describe	note	analyze	discuss
Education	find	suggest	note	report	demonstrate	provide
Philosophy	say	suggest	argue	claim	point out	think

Data for Biology, Physics, Electrical Engineering, Mechanical Engineering, Applied Linguistics, and Sociology from Hyland, K. Academic attribution: Citation and the construction of disciplinary knowledge, *Applied Linguistics* 20 (1999): 341–367. Other data thanks to Carson Maynard.

Questions

- It is rare to ask direct questions.
- It is more often state questions indirectly.
 - Researchers are now investigating whether the theory is valid.
 - It is unclear what the oil price will be next year.
 - The question remains whether it is possible to ...
 - An experiment is designed to determine whether ...
 - However, the system still has some problems. ...



Solutions

- **To address this problem, scientists implement a solution based on ...**
- **We have made significant progress in overcoming this difficulty by introducing ...**
- **Several options are available to tackle the challenge**
- **There are two possible ways to handle this issue.**

Cause-Effect

- An increase in demand **causes** a rise in prices.
- The tsunami is **triggered by** a powerful earthquake.
- The effect is **attributed to** electron-photon coupling.
- The solvent evaporates, **with** desired product generated in the container.
- A current is send through the material, **(thus/thereby)** polarizing the electrons.

Verbs

- Scientists are **looking into** the effects of this drug.
- Researchers have **come up with** a new design.
- This new system could **get rid of** many old problems.
- The world population has **gone up to** 7 billion.

Q: rewrite?

Verbs

- Scientists are ~~looking into~~ the effects of this drug.
investigating / analyzing
- Researchers have ~~come up with~~ a new design.
developed / created
- This new system could ~~get rid of~~ many old problems.
eliminate
- The world population has ~~gone up to~~ 7 billion.
reached

Adverbs

- Adverbs tend to be within or near the verb
 - **Possibly**, this argument enable them to arrive at a decision.
 - This argument **possibly** enable them to arrive at a decision. ✓
 - This argument enable them to arrive at a decision, **possibly**.

Avoid Informal Style

- This method **really** does require precision.
- **Of course**, at busy intersections slip lanes reduce traffic congestion.
- **The results are really disappointing / good.**
- **As we all know**, traffic congestion and build up at intersections wastes time and it also wastes fuel.

Q: rewrite?

Avoid Informal Style

- This method ~~really~~ does require precision.
- ~~Of course~~, at busy intersections slip lanes reduce traffic congestion.
Obviously / Apparently
- ~~The results are really disappointing / good.~~
- ~~As we all know~~, traffic congestion and build up at intersections wastes time and it also wastes fuel.
It is known that ...

Avoid Informal Styles

- There have been **lots of** interests in neural networks.
- Developing renewable energies are **really important** to solve the environmental problems.
- The system **did not** provide **much** new information.
- People's interest in internet is **getting bigger**.

Q: rewrite?

Avoid Informal Styles

- There have been ~~lots of~~ interests in neural networks.
considerable
- Developing renewable energies are ~~really important~~ to solve the environmental problems. **essential**
- The system ~~did not~~ provide ~~much~~ new information.
little
- People's interest in internet is ~~getting bigger~~.
increasing

Avoid Informal Styles

- **Why did the bridge collapse? There're lots of reasons.**

- **So far there hasn't been much research on how conflict influences the level of trust and respect in a group.**

Q: rewrite?

Avoid Informal Styles

- **Why did the bridge collapse? There're lots of reasons.**
- **There are many factors that could cause the collapse of the bridge.**
- **So far there hasn't been much research on how conflict influences the level of trust and respect in a group.**
- **Until now, the influence of conflict on the level of trust and respect in a group has been rarely studied.**

Negative Forms

- **The analysis did not yield many new results.**
- **The government did not allocate much funding for this program.**
- **This problem does not have many sustainable solutions.**

Q: rewrite?

Negative Forms

- The analysis ~~did not yield many~~ new results.
yielded few
- The government ~~did not allocate much~~ funding for this program.
allocated little
- This problem ~~does not have many~~ sustainable solutions.
has few

Do not say "NO"

Be Specific

- **Erosion** is a process during which the surface of the earth **erodes**.
- A **light-emitting diode** is a diode that emits light.

Be Specific

- **Erosion** is a process during which the surface of the earth ~~erodes~~.
- **Erosion** is a process during which the surface of the earth is degraded by the effects of the atmosphere, weather, and human activity.
- A **light-emitting diode** is a ~~diode that emits light~~.
- A **light-emitting diode** is a semiconductor device that emits light when current flows through it.

Be Accurate

- **10% of people in the city are infected by COVID-19.**

Be Accurate

- 10% of people in the city are infected by COVID-19.
- 10% of people in the city are *confirmed to be* infected by COVID-19.
- *At least* 10% of people in the city are infected by COVID-19.
- 10% of people in the city have *tested positive* for COVID-19.

Be Accurate

- Pollution is a form of contamination resulting from human activity
- Pollution is a form of contamination *often* resulting from human activity
- Pollution is a form of contamination *sometimes* resulting from human activity

- Severe seizures cause brain damage
- Severe seizures *usually* cause brain damage
- Severe seizures *can* cause brain damage

Q: differences?

Be Accurate

- We find that the temperature **affects** our samples.
- A **long** antenna was used to test the results.
- The tested group show significant **differences** from the control group.

Be Accurate

- We find that the temperature **affects** our samples.
- We find that the size of our samples **increases with** the temperature.
- A long antenna was used to test the results.
- An antenna **with a length larger than 10 cm** was used to test the results.
- The tested group show significant differences from the control group.
- The tested group show significant differences from the control group, **in terms of their ...**

Be Accurate

- The results (**imply / indicate / elucidate / establish**) that ...
- The studies (**question / challenge**) the old theory.
- Figure 2 (**depicts / clarifies**) the relationship between the two systems.