Welcome to Unit four of Writing in the sciences.,So far in this course, we've talked about how to write better sentences and better paragraphs.,In the 1st module of this unit, we're going to practice those skills by editing several paragraphs.,I want you to test yourself.,so I'm going to ask you to pause the video and try editing the exercises on your own, and then you can restart the video, and I'll walk you through my edits.,Last week, we talked about experimenting with punctuation using the semicole and the dash, the paren'theses and the colon.,And just in case you're still feeling a little bit timid about using that kind of exotic punctuation in your scientific article, ,I saw this week an article in Nature Physics, which has an impact factor of 19.,It's a great journal. This was written by two physicists, and notice, I've pulled out one of their paragraphs, noticed that they very much used the semicolon dash colin and pretheses.,So here's one example paragraph. I'm not going to read it all that you kind of read it on your own, but you can see that it's very effective.,It's a very clear and well written article.,They use these punctuation marks effectively, and it is OK to use them and even encourage to use them.,And they also have a whimsical title for the article, which is always nice.,So now let's jump right into the exercises for this module.,Again, I want to test yourself a little bit, so I'll kind of give you some some guidance on each of these paragraphs, ,and then I'm going to ask you to pause the video and edit it, edit it on your own.,Um. So each of the paragraphs that I've picked for this module, ,I try to pick things that don't require a lot of technical background or too much context, ,so that everybody should be able to And so, uh, I'm not going to bother to read through the entire paragraph, as you can read it on your own.,But this 1st paragraph basically telling you a taxonomy about sub different terms that are used when we talk about measuring the quality of instruments. so kind of try to cut a lot of unnecessary clutter, get it down to its to the heart of the matter.,So once you pass the video now, and when you're done editing, then go ahead and restart the video, and I'll go through my edits on this.,All right, so hopefully you came up with a nice, solid added on that paragraph.,When I was editing that, the 1st thing I kind of asked myself is just, what's the paragraph about?,What's the idea contained in it?,So what the authors are trying to convey is this taxonomy of these different terms used to assess the quality of an instrument.,And it's kind of a complicated paragraph.,It's a little bit boring, right?,Because it's just about terms, which is never the most interesting thing to read.,And actually my 1st instinct when I read that paragraph was to put everything in a table.,And you can imagine that this paragraph, rather than being in prose, this information could have actually probably been better presented as a table or even nice little tree diagram.,So there are a lot of instances, and you should be on aware of them.,Watch out for them. Where it might be better to put something in a figure rather than to put it in prose.,It just lends itself better to a figure.,But this is, I came up with the, you know, I put it in a little table.,So we have, you know, kind of the domains.,That's the highest level, and then we get the sub level of measurement property, and then below that, we have aspects.,And he hears how all those terms feel, those fill that in.,So then I kind of use that framework to help myself, and it this paragraph.,And hopefully you came up with something that was similarly short.,We don't need a lot of words to give this taxonomy, so I paired it down to We assess each instrument based on reliability, validity and responsiveness.,These domains may be subdivided into measurement properties.,Reliability includes these three measurement properties.,Validity includes these other three, and responsiveness is both a domain and a measurement property. So they had kind of a long spiel in the original where they were explaining, well, you know, it was kind of actually funny.,I'm going to scroll back to it here.,They were saying, oh, but for reasons of clarity, the domain of the measurement property had the same name.,And I was thinking, well, that actually makes it more confusing to me, not more clear.,But anyway, I kind of peered down that whole discussion by just saying the Responsive nets is both a domain and a measurement property.,Now we go to the next level.,Some measurement properties additionally contain multiple aspects, e.g.,construct validity, includes structural validity, hypothesis testing and cross cultural validity.,So moving on to the 2nd exercise.,This one is actually two paragraphs long, but I'm going to encourage you to try to think of a way to bring it debt together into a single paragraph, ,because I think it actually probably only lends itself to one paragraph.,So this was from a study where they were,looking at church records, and this is from their method section.,They're trying to tell you a little bit about those records, where they came from, and what information is in So again, it's two paragraphs long.,I just want to draw your attention to the very last line.,I'm not going to read through the whole thing.,You can read through it on your own.,But the very last line of the 2nd paragraph is kind of funny.,So it says, what a member dies, and the clerk reports his her death to the Church membership council.,The membership record is updated and then archived in the church's deceased membership file.,So notice that if you know, you're reading,that along, it sounds like it's the membership file, it's the file that's deceased, right?,So it has this kind of funny thing with adjectives.,So you want to be careful with adjectives, because you can come up with funny things like deceased files.,So obviously you're going to want to edit that last line carefully.,So why don't you go ahead and I'm going to put both of the paragraphs up on a single side so you can have them at your fingertips. Why don't you now go ahead and pause the video, edit both paragraphs, and then when you're done, restart the video, and I'll kind of walk you through.,All right, so hopefully you were able to get it down to a single paragraph.,So when I was editing this, I asked myself, you know, what's the main idea, the main point of these paragraphs?,And so what I think the main point was is that they were just trying to get a across that the information that they used for their study, which was from the Church records, ,that it was accurate and reliable.,And notice in the original version, they use those terms accurate and reliable several times.,Well, these the term accuracy many times.,So I was able to pair it down by kind of taking away some of the repetition.,So I want to scroll back and just kind of point this out to you.,So in the original two paragraphs, they, you know, they say in the very 1st sentence, it's a high level of accuracy.,They give you a reference for that, and then they're trying to give you some details about how this works to kind of verify that indeed is accurate.,And then in the 2nd paragraph, they go back to talking a lot about accuracy.,While the accuracy is dependent, each member can review it, the record once a year to check it for accuracy.,For this reason, and because the Church emphasizes accurate record keeping, the information is quite reliable, right?,So they're repeating those words, accurate and reliable quite a bit.,So what I did was just say, well, that's kind of the point of all of this information.,The main point is just to say that, hey, these records are accurate and reliable.,They have a citation for that.,There's somebody who's done a study of that.,They also want to back it up by just explaining how this whole thing works.,The other point in this paragraph is to get across a little bit of the information about exactly what's in those records.,And that's important, because that tells you what information they had available to them for this particular health. So going back to my edited version I just said, I started with the church's record keeping system is accurate and reliable, ,and now I'm going to go through and tell you a little bit of details about how it works and what information is in there.,When a new number is baptized, the Church congregation creates a member record that includes northeast of Colin name, date of birth, paren'ts, names, ,current address and dates of church ordinances.,Now, it's important that until lay Kurt does all this,, but we don't like to keep repeating the term lay cards, ,so we say, a lay clerk enters these records into the general Church database and updates them to reflect dates of new ordinances that can all be in one The spells,, you know, new ordinances, spouse name, changes of address and date of death.,And then that whole 2nd paragraph was about this idea that the members could review their membership records once a year, and somehow that was going to improve accuracy.,One thing Notice how I shortened that to a single sentence.,The reason I did that is, if you go again back to the original, look at that 2nd paragraph.,It's all about this. You know, the members being able to review their records once a year.,Well, if you think about that carefully, it says each member has an opportunity to review their membership record once a year, to check it for accuracy.,That's actually fairly ambiguous. So there's a lot of words here, but with a great amount of ambiguity about what's actually happening.,So when you say they have an opportunity to review their membership, does that mean that, um, they have just one opportunity?,They're limited? They can only review the records once, but they're allowed to review it once.,Or does it mean that they're encouraged to review their records every year?,Or is it more passive, where they just could review it should they feel the need to review it?,So there's a lot of ambiguity here, and adding all of these extra details and words here doesn't help address any of that ambiguity. So I peered that down to a single sentence, and then that last sentence about when a member dies.,We don't need to know that it's reported to the Church Membership Council, because what we care about here in the records, that's what we're using for the study.,So we get rid of a lot of extra details here.,It's really not that important who's doing the reporting and who's our tyving the records.,We already know it's the Lake Kirk who's keeping track of these things.,So I just pair that down to when a member dies, the membership record is archive.,So you can get this down quite a bit.,Hopefully you're able to get something similarly short.,Notice that the last sentence, I allowed that to be in the passive voice, so when I memorized the membership record is archive, Notice there's no subject.,I didn't bother to say, well, it was the lay,clerk who did the archiving, or the council member, because I didn't think it was that important.,So, as I've alluded to before in the method section where this was from, sometimes it's OK to have something in a passive voice when it doesn't really matter who did it, and what,is more important to just get across what was done.,So sometimes in the method section, it's actually OK to use the passive voice.,And I think this is probably a good use of the All right, so for the last exercise in this,,in this practice module, I'm going to have you read a paragraph.,This was from a study where they found a association between childhood misbehavior and subsequent drug use.,So they actually, you know, saw some behavior, bad behavior, and kids, and they followed them over time, and found later that they had higher risk of drug use.,So I want you to go ahead and now pause the video, read through this paragraph, edit it, and then when you're done,, we start the video, and I'll go over my thoughts on this paragraph with you.,All right, so uh, hopefully you got a good edit of this paragraph.,And I want to point out one thing in particular about this uh, paragraph.,So you might have noticed when you were reading it, a law along that that word, however, was a little bit funny, did it? Did that? I wonder if that struck some of you as you were reading it, right?,So you get a bunch of sentences that are about studies that have also shown this link between childhood misbehaviour and drug use, ,and other studies and adults that have shown some kind of association between aggressive or bad behavior and drug use, to get this information about prior studies finding a similar link.,But then you get a total shift in ideas.,And the authors kind of understood, they realized that they were making a ship, so they threw in the word however there.,But that's actually not an appropriate use of However.,It sounds funny, because it's, it's a little off right that however is supposed to tell you it's contrasting something in the previous sentence.,Well, this is not. It's just their signal that they're changing ideas.,So if you're changing ideas, instead of throwing in any random transition word, which you actually want to do, of course, is break this into two paragraphs.,I'm hoping that a lot of you caught this this, that there's actually two ideas going on in this paragraph.,The 1st is, here's all these other studies that confirm our results, then found the same thing as us.,And the 2nd part of this paragraph, which should be its own separate paragraph, is, what is the possible mechanism, the pathway that explains our finding?,So we hopefully separated that into two paragraphs.,That's one option, and actually the other option.,I'll show you both. I did both, and it is actually to realize that maybe some of the material previous studies is not even relevant, and we could even delete that and make this into one.,So I want to show you both ways that I approached him.,So here was my rewrite, where I separated the idea isn't a two bearer.,So I separated the previous studies from the pathways, the mechanisms.,So and I shortened things. I did some editing here, additional editing.,Previous studies have linked early childhood conduct problems with subsequent drug use.,Studies have also found that young adult and adult drug users exhibit more aggressive, unconventional and impulsive behaviors than their peers. So I changed that around a little bit, ,because I think the young adult and adult studies, it wasn't very clear in the original, ,and I think what they were saying was that there was, there are studies that show that these things coke are the aggressive bad behavior co occurs with drug use in adults.,Um Now, those studies actually don't tell you whether or not the aggressive behavior causes the drug use, or whether the drug use causes the aggressive or unconventional behavior.,So we don't really know from those studies.,And also those studies are all about adults, when the study that we're dealing with here is one about shoulder.,So maybe the fact that studies and adults find this association is relevant here, but I actually thought that perhaps it isn't even really that relevant.,They did a study on childhood conduct problems, and they linked perspectively to subsequent drug use, ,where the cause is clearly, you know, the aggressive behavior clearly comes before the drug use.,Those other studies don't have, you know, we don't really know the direction of causality.,They're also all about adults, which isn't really relevant here, because we're talking about children.,So one option you'll see in my next way, that I added in my next slide, is that you could actually delete all that information about the adult studies.,But for now, I left it in if they wanted to get that point.,Then I broke off into the 2nd paragraph.,Several pathways may explain our finding aggressive children may have under like psychiatric disorders or cognitive disabilities that increase their risk of drug use.,Misbehavior tends to cooker with impulsivity, which increases the risk of drug use.,And childhood misbehavior may lead to long term problems, such as persistent distress, were a failure to ever adopt conventional roles of behaviors which may lead to drug dependence.,Now, notice that 2nd paragraph is actually only one single sentence.,I've used a coal in in a list there.,That's perfectly OK. I tried to also clear up a little bit of things of connections, which made me wear a little bit confusing in the in the original. Hopefully you were able to make that,example a little bit shorter, crispr and a little bit clearer.,Here's the other alternative thing you could have done.,You could have just deleted all of those adult studies, as I mentioned, and just had the whole paragraph of b about the childhood studies.,And then you sit, you're basically saying, previous studies have linked childhood contact problems with drug use, subsequent drug use.,And half. Do,you hear all the pathos that may explain the link that they found as well?,You know that as well as what we they also found the same link in their study, so we can do it that way.,So either of those edits is perfectly fine, but I'm hoping you recognize that there was this change of ideas in the middle of that paragraph.,And I just want to give a quick acknowledgement here.,Want to thank Gary Friedman of Stanford University.,He's been a long time advocate of improving the quality of writing in scientific papers.,And he's a fantastic editor himself, and actually provided me with a whole treasure trove of example, some of which have found their way into this course.

欢迎来到《科学写作》第4单元。到目前为止，在本课程中，我们已经讨论了如何写出更好的句子和更好的段落。在本单元的第一个模块中，我们将通过编辑几个段落来练习这些技能。我想让你自己测试一下，所以我要请你暂停视频然后尝试自己编辑练习。然后你可以重启视频，我将引导你完成我的编辑。上周，我们谈到了尝试使用分号、破折号、圆括号和冒号来使用标点符号。以防万一你仍然对在《科学》文章中使用这种异国情调的标点符号感到有些胆小。本周我在《自然物理学》上看到了一篇影响因子为19的文章，这是一本很棒的期刊。这是两位物理学家写的，请注意，我摘出了他们的一段。请注意，他们经常使用分号、破折号、冒号和圆括号。因此，这里有一个示例段落，我不打算读它。我会让你自己读的。但是你可以看到它非常有效。这是一篇非常清晰且写得很好的文章。他们有效地使用了这些标点符号，使用它们是可以的，甚至鼓励他们使用它们。而且他们的文章还有一个异想天开的标题，这总是很不错的。因此，现在让我们直接进入本模块的练习。再说一遍，我想让你稍微测试一下自己。因此，我将就这些段落中的每段给你一些指导。然后我要请你暂停视频然后自己编辑。因此，我为这个模块选择的每个段落，我都会尽量选择不需要很多技术背景或太多背景的内容。这样每个人都应该能够对其进行编辑。所以，我不打算费心通读整段话，因为你可以自己阅读。但是第一段基本上是在告诉你一个分类法，说明当我们谈论测量仪器的质量时，会使用一些不同的术语。因此，我想让你通读并对其进行编辑，请记住你正在努力发挥我给你的所有这些不同的工具。所以有点想减少很多不必要的混乱，把它归结为问题的核心。那么，你为什么不现在就暂停视频呢。当你完成编辑后，继续重启视频，我将对此进行编辑。好吧，所以希望你能对那段话做一个不错的精彩编辑。当我编辑那篇文章的时候，我问自己的第一件事就是这段话是关于什么的？那段话中包含的想法是什么？因此，作者想要传达的是用于评估乐器质量的这些不同术语的分类法。而且这是一个有点复杂的段落。有点无聊，对，因为它只是关于术语的，读起来从来都不是最有趣的东西。实际上，当我读到那段话时，我的第一个直觉就是把所有东西都放在桌子里。你可以想象，这段话，与其说是散文，不如用表格，甚至是漂亮的小树图来呈现。因此，有很多实例，你应该注意它们，注意它们。在那里，最好把一些东西放在人物里，而不是把它写成散文。它更适合一个人物。所以但这就像，我想出来了，我把小桌子放进了那张小桌子里。因此，在某种程度上，我们有域名，这是最高级别的。然后我们得到测量属性的子级别，然后在该子级别之下我们得到宽高比。以下是所有这些术语是如何填补的。所以我有点用那个框架来帮助自己编辑这段话。希望你能想出同样简短的东西，对吧？我们不需要很多词就能给出这种分类法。因此，我将其精简为，我们根据可靠性、有效性和响应能力来评估每种仪器。这些域可以细分为测量属性。可靠性包括这三个测量属性。有效期包括其他三个。而响应能力既是一个领域，也是一种测量属性。因此，他们在解释的原版中玩得很长。好吧，其实有点滑稽，我要在这里滚动回来。他们说得不错，但为了清楚起见，域名和测量属性的名字相同。我当时在想，好吧，这实际上让我更加困惑，而不是更清楚。但不管怎样，我只是说响应性既是一个域又是一个测量属性，这简化了整个讨论。我将进入下一个级别，一些测量属性还包含多个方面。例如，构造有效性包括结构有效性、假设检验和跨文化有效性。接下来是第二个练习，这个练习实际上有两段长。但我鼓励你试着想办法把它组合成一个段落，因为我认为它实际上可能只适合一个段落。因此，这是他们查看教会记录的一项研究。这来自他们的方法部分。他们想告诉你一些关于这些记录的信息，它们来自哪里，里面有哪些信息。所以，再说一遍，它有两段长。我只想提请你注意最后一行。我不会通读整篇文章。你可以自己通读。但是第二段的最后一行，有点滑稽，所以。它说，当成员死亡并且书记员向教会会员委员会报告死亡时，成员记录会更新，然后存档在教会的已故成员档案中。所以请注意，你一直在读这篇文章，听起来好像是会员档案，是文件已经失效了，对吧？所以它有这种带有形容词的滑稽之处。所以你要小心使用形容词，因为你可以想出一些有趣的东西，比如死去的档案。所以很明显，你需要仔细编辑最后一行。那么，你为什么不继续前进，我将把两个段落放在一张幻灯片上，这样你就可以触手可及了。你为什么不现在继续暂停视频，编辑两个段落。然后，当你完成后，重启视频，我会带你完成我的编辑。好吧，所以希望你能把它归结为一个段落。所以当我编辑这篇文章时，我问自己，这些段落的主要思想和要点是什么？因此，我认为要点是，他们只是想透露他们在研究中使用的信息，这些信息来自教会的记录，这些信息是准确和可靠的。请注意，在原始版本中，他们多次使用这些术语，准确可靠。他们多次使用“精度”一词。因此，我能够通过消除一些重复的内容来精简它。所以我想向后滚动然后向你指出这一点。因此，在最初的两段中，他们在第一句话中说，准确性很高。他们给你一个参考。然后他们会尝试向你提供一些关于其工作原理的细节，以验证它确实是准确的。然后，在第二段中，他们回过头来谈论了很多关于准确性的问题。虽然准确性视情况而定，但每个成员每年可以查看一次记录，以检查其准确性。出于这个原因，也因为教会强调准确的记录，所以保存信息非常可靠。因此，他们经常重复这些话，这些话既准确又可靠。所以我所做的就是说得好，这就是所有这些信息的重点。要点就是说，嘿，这些记录是准确和可靠的。他们对此有引文，有人对此进行了研究。他们还想通过解释整件事的工作原理来支持它。本段的另一点是要了解一些关于这些记录中到底有哪些内容的信息。这很重要，因为这可以告诉你他们在这项特殊的健康研究中掌握了哪些信息。所以回到我编辑过的版本，我刚才说我一开始就知道教会的记录保存系统既准确又可靠。现在，我将详细介绍一下它的工作原理以及里面有哪些信息。当新成员受洗时，教会会众会创建一个成员记录，其中包括注意使用冒号。姓名、出生日期、父母姓名、当前地址和教会法令日期。现在，重要的是要由非专业职员来做所有这些事情。但是我们不喜欢一直重复业余职员这个词。因此，我们可以说一位非专业书记员将这些记录输入到教会的一般数据库中，并对其进行更新以反映法令的日期。这一切都可以用一句话说出来。新条例、配偶姓名、地址变更和死亡日期。然后整整第二段都是关于这样的想法，即成员可以每年审查一次他们的成员记录，不知何故，这将提高准确性。请注意我是如何将其缩短为一句话的。我这样做的原因是，如果你再回过头来看看第二段。这一切都是为了成员能够每年查看一次他们的记录。好吧，如果你仔细考虑一下，它说每个成员都有机会每年查看一次他们的会员记录，以检查其准确性。这实际上相当模棱两可，所以这里有很多词语，但对实际发生的事情却有很大的模棱两可之处。因此，当你说的时候，他们有机会查看自己的成员资格。这是否意味着他们只有一个机会，他们是有限的？他们只能查看一次记录，但允许他们查看一次。还是说鼓励他们每年查看自己的记录？还是他们可以审查它的地方更被动，他们是否觉得有必要对其进行审查？因此，这里有很多模棱两可之处。而且，在这里添加所有这些额外的细节和单词无助于解决任何模棱两可之处。所以我把它缩减为一句话。然后是关于成员何时死亡的最后一句话，我们不需要知道这是向教会成员委员会报告的。因为我们关心的是记录，所以这就是我们在研究中使用的记录。因此，我们可以在这里删除很多额外的细节。谁@@在做报告以及谁在存档记录其实并不重要。我们已经知道是业余职员在跟踪这些事情。所以我只是将其缩减为会员去世时，会员记录会被存档。所以你可以把它记下来很多。希望你能得到同样简短的东西。请注意，最后一句话，我允许使用被动语态。因此，当会员死亡时，会员记录将被存档。注意这里没有主题。我没费心说，好吧，是非专业书记员负责存档，或者是理事会成员。因为我觉得这没那么重要。因此，正如我之前提到的，在方法部分中，有时候在被动语态中加入一些东西是可以的，而谁干的并不重要。而且，更重要的是直言不讳地讲述所做的事情。因此，有时在方法部分，使用被动语态实际上是可以的。而且我认为这可能很好地利用了这里的被动语态。好吧，在本练习模块的最后一个练习中，我要让你读一段话。这来自一项研究，他们发现儿童时期的不当行为与随后的吸毒之间存在关联。所以他们实际上看到了一些行为，孩子们的不良行为。随着时间的推移，他们跟踪了他们，后来发现他们吸毒的风险更高。所以我想让你继续，暂停视频，通读这段话，编辑它。然后，当你完成后，重启视频。我将与大家一起探讨我对本段的看法。好吧，所以希望你能很好地编辑这段话。关于这一段，我想特别指出一件事。所以你可能已经注意到，当你沿着这个词读的时候，这个词有点滑稽。做到了，我想知道在你读这本书的时候有没有让你们当中有些人印象深刻。因此，你会得到一堆关于研究的句子，这些研究也表明了童年不当行为与吸毒之间的这种联系。还有其他针对成年人的研究表明，攻击性或不良行为与吸毒之间存在关联。因此，您可以获得有关先前发现类似链接的研究的信息。但是随后，你的想法就会发生彻底的转变。作者们有点理解并意识到他们正在转变。不@@管怎样，他们还是把这个词放进去了。但这实际上不是一个恰当的用法。听起来很有趣，因为它有点不对劲，对吧？但是，这应该告诉你这与前一句话中的某些内容形成鲜明对比。好吧，事实并非如此，这只是他们的信号，表明他们正在改变想法。因此，如果你在改变想法，与其随机输入任何过渡词，不如把它分成两段。我希望你们中的很多人都能理解这一点，本段中实际上有两个想法。首先，以下是所有其他证实我结果的研究。他们发现了和我们一样的东西。本段的第二部分应该是它自己的单独段落，那就是可能的机制是什么，解释我们发现的途径是什么？因此，希望你能将其分成两段，这是一种选择。实际上，另一种选择，我将向你们展示两个，我做了两次编辑，实际上是为了意识到以前研究中的某些材料可能甚至不相关。我们甚至可以删除它，然后把它变成一个段落。所以我想向你展示我对待它的两种方式。所以这是我的重写，我把这些想法分成了两段。因此，我将之前的研究与途径、机制分开。然后我缩短了内容，我在这里做了一些编辑，进行了额外的编辑。先前的研究已将幼儿行为与随后的吸毒问题联系起来。研究还发现，年轻人和成年吸毒者比同龄人表现出更具攻击性、非传统和冲动的行为。所以我稍微改变了一下，因为我认为年轻人和成人的研究，在原版中不是很清楚。但我认为，他们的意思是，有研究表明，这些事情是同时发生的，攻击性、不良行为与成人吸毒同时发生。现在，这些研究实际上并不能告诉你攻击行为是否会导致吸毒。或者吸毒是导致攻击性行为还是非常规行为。因此，我们并没有真正从这些研究中得知。而且，这些研究都是关于成年人的，而我们在这里处理的研究是关于儿童的。因此，也许对成人的研究发现这种关联这一事实与这里有关。但我实际上以为它可能根本没有那么重要。他们对儿童行为问题进行了研究。他们前瞻性地将其与随后的吸毒联系起来，其原因是真正的攻击性行为显然发生在吸毒之前。其他研究没有，我们并不真正知道因果关系的方向。它们也都是关于成年人的，这在这里并不重要。因为我们在谈论孩子。因此，在下一张幻灯片中，你会看到我在下一张幻灯片中对其进行编辑的一种选择是，你实际上可以删除所有关于成人研究的信息。但是，就目前而言，如果他们想明白这一点，我就把它留在那里。然后我跳到了第二段。有几种途径可以解释我们的发现。好斗的儿童可能患有潜在的精神障碍或认知障碍，从而增加他们吸毒的风险。不当行为往往与冲动同时发生，冲动会增加吸毒的风险。童年时期的不当行为可能会导致长期的问题，例如持续的痛苦。或者未能采取传统的角色或行为，这可能会导致药物依赖。现在请注意，第二段实际上只有一句话。我在那里用了一个冒号和一个列表。完全没关系，我还尝试清理一些连接，这些连接在原始示例中可能有点令人困惑。所以，希望你能把这个例子做得更短、更清晰、更清晰一点。这是你本可以做的另一种选择，那就是你可以像我提到的那样删除所有这些成人研究。而且，整段都是关于童年研究的。然后你基本上是说先前的研究已将儿童行为问题与随后的吸毒联系起来。以下是所有可以解释他们发现的联系以及我们发现的东西的途径。他们在研究中也发现了同样的联系。所以我们可以这样做。因此，这两个编辑都完全没问题。但我希望你能意识到那段中间的想法发生了变化。我只想在这里快速致谢。我要感谢斯坦福大学的加里·弗里德曼。长期以来，他一直倡导提高科学论文的写作质量。而且他本人也是一位了不起的编辑，他实际上为我提供了大量的例子，其中一些已经进入了这门课程。