Paper Reading Template

AI-For-NLP Course Group

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| Date | Nov 12, 2018 | |
| Title | Computing Machinery and Intelligence | |
| Author | A. M. Turing | |
| Question/Task | Description | You Answer |
| 1. Classify this paper | Is this paper pragmatic or theoretical?  Is this paper on science or engineering? | Theoretical and on science. |
| 2. Brief Summary | Using the as short as possible to summarize the paper content. | Came up with a method which may prove a machine can think like human. |
| 3. Outline | Outlining the content as multiply parts.  For example, for one paper, you may outline the content as following:  1. Background  2. The other Researcher’s method  …  8. Future Planning  And explain how does these outlines work together to make this article completed. | 什么是机器  如何证明机器能够思考  需要限制的条件  一些反对意见  作者的支持意见 |
| 4. Mainly Issue | What is the issue that author want to solve? | 想说明如何证明机器可以思考以及展望 |
| 5. Find the difficult or important words. | Find what words you are not understood and explain it by yourself.  Find important words in this article. |  |
| 6. Find the difficult sentences confusing you and explain what they mean. | 找出文中你不太懂的句子，试着解释他，最好用另外一种解释方法解释。 不要玩文字游戏。  例如， 《纯理性批判》里有一句话“除了实际存在的事物，没有任何东西能发生作用“。 如果你解释成“如果某个东西不存在，那么它就不能发生作用“，这就属于玩文字游戏。比较合理的解释一个例子是”只靠可能会下的雨，青草是不会生长的“或“只靠可能有的存款，一个人的账号是不可能增加的“。 |  |
| 7. Find the main sentences author written. | Find out sentences which could express the intention of author mostly. | An important feature of a learning machine is that its teacher will often be very largely ignorant of quite what is going on inside, although he may still be able to some extent to predict his pupil’s behavior… |
| 8. What have been solved and what not have been solved? | What problems or issues the author have solved?  What problems or issues the author haven’t solved? | 提出一种较为可行的检测机器是否可以思考的方法。并未给出确切答案：人类能否造出通过测试的机器。 |
| 9. Rethink of the paper | Can you explain the paper main content to others?  Can you explain the paper to your wife/husband?  Can you explain the paper to a kindergarten pupil?  This answer ***cannot be Yes/No simply.*** *Please write the explanation with integrity.* | 可以，因为本篇论文不需要任何数学和复杂的计算机基础。 |
| 10. Which parts do you agree with the author?  Why do you agree with these? | Find out the opinions of author that you agree with.  Give the reason why do you agree with. | 对图灵测试中的禁止物理接触同意，因为监察者可以观察机器的形状，材质来断定他是机器，不是人类（男人）。 |
| 11. Which parts do you not agree with the author? | List the parts or opinions that you do not agree with author. | 对只可以打字反对，因为现如今已经有了计算机已经有了图像和语音输出。 |
| 12. Why do you not agree with? | Classify each answer of question 11 as following types:  1. uninformed: 信息不足，必要的信息没有给到；  2. Misinformed: 论点与实事相反或不切合；  3. Logic Error; 逻辑错误，例如马基雅维的《君主论》里边：  所有的政府，不论新或旧，主要的维持基础在法律，如果这个政府没有很好的武装力量，就不会有良好的法律，也就是说，只要政府有很好的武装力量，就会有好的法律。  里边的逻辑错误在于“ 政府有很好的武装力量“ 应该是”有好的法律的“ 必要不重复条件，依照所述的逻辑，如果有好的法律，那么肯定有好的”武装“，但是有好的”武装“并不一定有好的法律。  4. Uncompleted Analysis; | 当时的计算机技术限制了图灵对机器能力的的设定。现在机器可以输出语音和图像了。 |
| 13. Is this article helpful to you?  How can you use these knowledges in your life or in future? | 简述这篇文章是否对你有用，对你以后哪些场景下回使用到？ | 也许，了解了图灵测试的设计原理和局限。对以后设计机器完成图灵测试也许有一定的帮助。 |