Paper Reading Template

AI-For-NLP Course Group

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| Date | 2018-11-18 | |
| Title | Computing Machinery and Intelligence | |
| Author | Paper by A.M Turing, Comments By Wang Liang | |
| Question/Task | Description | You Answer |
| 1. Classify this paper | Is this paper pragmatic or theoretical?  Is this paper on science or engineering? | Theoretical, Science |
| 2. Brief Summary | Using the as short as possible to summarize the paper content. | Discuss the imitation game as the new frame definition of Machine Intelligence from different aspect, positive and negative. |
| 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. | 1. Background, from NLP Training course 2. Laplace view, Godel’s theorem, Church, Kleene, Rosser, and Turing, Lady Lovelace, Professor Jefferson... 3. Pursing the original discuss about AI and current process for new technology broken up 4. Amazing Turing’s prediction 50 years ago, many of them become reality, specially for Digital computer’s ability 5. Plan to Continue handle concept from Turing, and the dream mentioned in paper |
| 4. Mainly Issue | What is the issue that author want to solve? | Imitation game which author designed to test whether the model AI machine exist or not. |
| 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. | None |
| 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“。 | The number for the machine now working at Manchester is about 2^165000, ie, about 10^50000. a little confuse such immense number refer to, 现在运行在曼彻斯特的计算机有如此之多吗？ |
| 7. Find the main sentences author written. | Find out sentences which could express the intention of author mostly. | Imitation game replace the original question “Can machines think?” and we will discuss later then |
| 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? | A new designed play game is satisfy for almost all test if the machine participate in, to check whether it is intellect or not. |
| 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.* | Turing design a model of playing game to test whether Machine Intelligence, and he discussed it from opposite side first, theological and mathematical, consciousness,Nervous System(continues machine) and response all suspect also, though not completed convinced finally, extend almost all view for future digital computer development direction, and the author believe it |
| 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. | “Thinking is a function of man’s immortal soul. God has given an immortal soul to every man and women, but not to any other animal or machines. Hence no animal or machine can think. I am unable to accept any part of this”, though pretty literal express, I agree with the author, since animal also have function of thinking, just the pars is not much enough to make it smart as human. |
| 11. Which parts do you not agree with the author? | List the parts or opinions that you do not agree with author. | Three state-machine able to simulate continues-machine in some matter, I don’t think so |
| 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; | 1. Uniformed:与物理学家，生物学家，神学家，哲学家所定义的思考机器区别还有待进一步厘清 2. 无 3. 无 4. 只考虑电子计算机的“思考”性，只能受限于计算能力，速度的无限假设来摸拟“智能”在一定概率上战胜人类，这是完全可能的，但它是不是智能？还是仅仅是统计学或经验反馈结合穷举！值得深入研究。 |
| 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？ | Not much, only while talk about theory about Turing imitation game mode maybe |