

Hello World



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A look inside the algorithms that are shaping our lives and the dilemmas they bring with them.

If you were accused of a crime, who would you rather decide your sentence—a mathematically consistent algorithm incapable of empathy or a compassionate human judge prone to bias and error? What if you want to buy a driverless car and must choose between one programmed to save as many lives as possible and another that prioritizes the lives of its own passengers? And would you agree to share your family's full medical history if you were told that it would help researchers find a cure

for cancer?

These are just some of the dilemmas that we are beginning to face as we approach the age of the algorithm, when it feels as if the machines reign supreme. Already, these lines of code are telling us what to watch, where to go, whom to date, and even whom to send to jail. But as we rely on algorithms to automate big, important decisions—in crime, justice, healthcare, transportation, and money—they raise questions about what we want our world to look like. What matters most: Helping doctors with diagnosis or preserving privacy? Protecting victims of crime or preventing innocent people being falsely accused?

Hello World takes us on a tour through the good, the bad, and the downright ugly of the algorithms that surround us on a daily basis. Mathematician Hannah Fry reveals their inner workings, showing us how algorithms are written and implemented, and demonstrates the ways in which human bias can literally be written into the code. By weaving in relatable, real world stories with accessible explanations of the underlying mathematics that power algorithms, Hello World helps us to determine their power, expose their limitations, and examine whether they really are improvement on the human systems they replace.

作者介绍:

Hannah Fry is an associate professor in the mathematics of cities at the Centre for Advanced Spatial Analysis at University College London. A regular presenter for the BBC, she lives in London and tweets @FryRsquared.

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标签

科普

计算机科学

人工智能

Algorithm

非虚构

社会学

人类学

闲书

评论

关于“算法”逐渐深入我们生活的方方面面（消费、医疗、保险、执法等等）的情况的论述以及所造成的社会、伦理等各方面的冲击以及可能的解决方案和未来前景。虽然其中大部分例子是统计或者机器学习范畴下的算法，但是书确实是从更加宽泛定义的“算法”作为着眼点来讲的。全书采用一种比较中立的态度来讲，举了很多从非常早期（计算机发明之前）的一些算法应用和非常新（2018）的一些例子，可以看出作者做了很多功课。比较有趣的点主要在意一方面可以了解一些有意思的知识比如超市为什么愿意免费帮你办会员卡或者无人驾驶车的早期尝试和历史，另一方面又能看到一些“当前时代”的名词（诸如 Uber、Alexa、Black Mirror、Tesla、腾讯优图等等）。

"In the end, you are left with a big mess of signals... It's almost impossible to know what to believe. Almost impossible. But not quite"

有意思的地方在于，这本书所涉及到的“著名事件”，我在中文媒体上几乎不曾听闻。

讲了AI算法在生活中的方方面面。包括预测犯罪、医疗、无人车等等。作为从业人员，确实没啥新鲜的。看了一半多。下次来图书馆顺带看完好啦。anyway，已经烦了所有讲AI的书都要从deep blue讲起。

启蒙读物 点到即止 推荐audible version 作者的narration很棒

我的算法入门书籍，读完之后对AI的发展不恐惧了。kindle和audible版本都有，作者的朗读很棒，我觉得有点ASMR了

2020.04

看完這本書，可以斷定她是數學界（or 科技類）的Phoebe...

大概对这本书有点期望过高，读起来略微失望。涵盖面很广，讨论却不够深入，范范而谈，把之前听过的各种AI有关的奇闻异事串了一遍，适合茶余饭后闲翻打发时光。

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书评

本来只是想写个短评，但是可能不够写那么多，于是写这篇书评和阅读tips。不打算写的过于冗长，也不考虑spolier。这本书不算很长，200多页，是hannah fry的第二本书，也是她第一次涉猎算法世界。蓝色封面是英国版，后来的这个乳白色底的是美国版。该书也出了中文版。主要涉及...

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