

Affective Computing



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著者:Rosalind W. Picard

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The latest scientific findings indicate that emotions play an essential role in decision making, perception, learning, and more--that is, they influence the very mechanisms of rational thinking. Not only too much, but too little emotion can impair decision making. According to Rosalind Picard, if we want computers to be genuinely intelligent

and to interact naturally with us, we must give computers the ability to recognize, understand, even to have and express emotions. Part 1 of this book provides the intellectual framework for affective computing. It includes background on human emotions, requirements for emotionally intelligent computers, applications of affective computing, and moral and social questions raised by the technology. Part 2 discusses the design and construction of affective computers. Although this material is more technical than that in Part 1, the author has kept it less technical than typical scientific publications in order to make it accessible to newcomers. Topics in Part 2 include signal-based representations of emotions, human affect recognition as a pattern recognition and learning problem, recent and ongoing efforts to build models of emotion for synthesizing emotions in computers, and the new application area of affective wearable computers.

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标签

情感计算

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评论

导师的书，敢不推荐？

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书评

几次阅读，一个感想常冒出来，就是作者似乎有时说的是情感计算的机器人非智能终端应用(这是实际层面的讨论)，有时说的是情感计算的理想理论问题。这两条线似乎不太统一。不过作者似乎总是又回到另一条论述上去。

我大致的读了下这本书，这本书分为两个部分，情感计算的预想和情感计算机的构造。第一部分正如其题，基本介绍了情感计算存在的意义和情感计算机的应用、忧患等，这部分还是比较科普的，作为了解情感计算是什么的材料还是不错的。第二部分也如其题，介绍了构造情感计算机的一...

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