**Predicting Human Decision Making: Tools of the Trade**

(AAAI-17 Tutorial by Ariel Rosenfeld and Sarit Kraus).

Tutorial web-page:

<https://sites.google.com/view/predicting-human-dm>

Below is a (partial) list of papers we referred to in our tutorial. If you think other papers should be added to the list (in order to help others in the future) - please let us know.

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**What drives people's DM?**

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Krantz, D.H., & Kunreuther, H.C. (2007). Goals and plans in decision making. *Judgment and Decision Making, 2*(3), 137-168.

Marsh, D.M., & Hanlon, T.J. (2007). Seeing what we want to see: Confirmation biases in animal behavior research. *Ethology, 113*(11), 1089-1098. DOI: 10.1111/j.1439-0310.2007.01406.x.

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Nestler, S. & von Collani, G. (2008). Hindsight bias, conjunctive explanations and causal attribution. *Social Cognition, 26*(4), 482-493.

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**General Examples**

·  [Anticipating Human Activities using Object Affordances for Reactive Robotic Response, Hema S Koppula, Ashutosh Saxena. Robotics: Science and Systems (RSS), 2013. (Open access)](http://pr.cs.cornell.edu/anticipation/)

·  [Learning Spatio-Temporal Structure from RGB-D Videos for Human Activity Detection and Anticipation, Hema S Koppula, Ashutosh Saxena. International Conference on Machine Learning (ICML), 2013. (Open access)](http://pr.cs.cornell.edu/anticipation/anticipation_ICML_2013.pdf)

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**Revell, Timothy. "AI takes on top poker players." (2017):**

Cook, Diane J. "How smart is your home?." *Science* 335.6076 (2012): 1579-1581.‏

**Game Theory**

**Game Theory** by Michael Maschler, Eilon Solan, and Shmuel Zamir. Cambridge UP, 2013.

**A Course in Game Theory** by Martin J. Osborne and Ariel Rubinstein. MIT Press, 1994.

Available free (legally!) from: http://tinyurl.com/gtbook

**Game Theory – A Very Short Introduction** by Ken Binmore. Oxford UP, 2007.

(A useful companion for bedtime reading. Full of razor sharp opinions and insight from a master of the art.)

**Decision Theory and Rationality**

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Jason Hartford, James R. Wright, and Kevin Leyton-Brown. Deep Learning for Human Strategic Modeling, NIPS 2016

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Fawcett, Tom, and Foster Provost. "Adaptive fraud detection." *Data mining and knowledge discovery* 1.3 (1997): 291-316.‏

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Ziv Epstein, Alex Peysakhovich and Dave Rand. The Good, the Bad, and the Unflinchingly Selfish: Cooperative Decision-Making can be Predicted with high Accuracy when using only Three Behavioral Types, 2016

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