

Impulsive chol.

What do we mean by impulsive
choice?

EASY DECISION: SMALL (S) OR LARGE (L)

One cookie or two?

What do we mean by impulsive
choice?

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choice?

DIFCULT DECIS

What are momentary and molar maximizing?

I HAVE TO WAIT TWO HOURS?



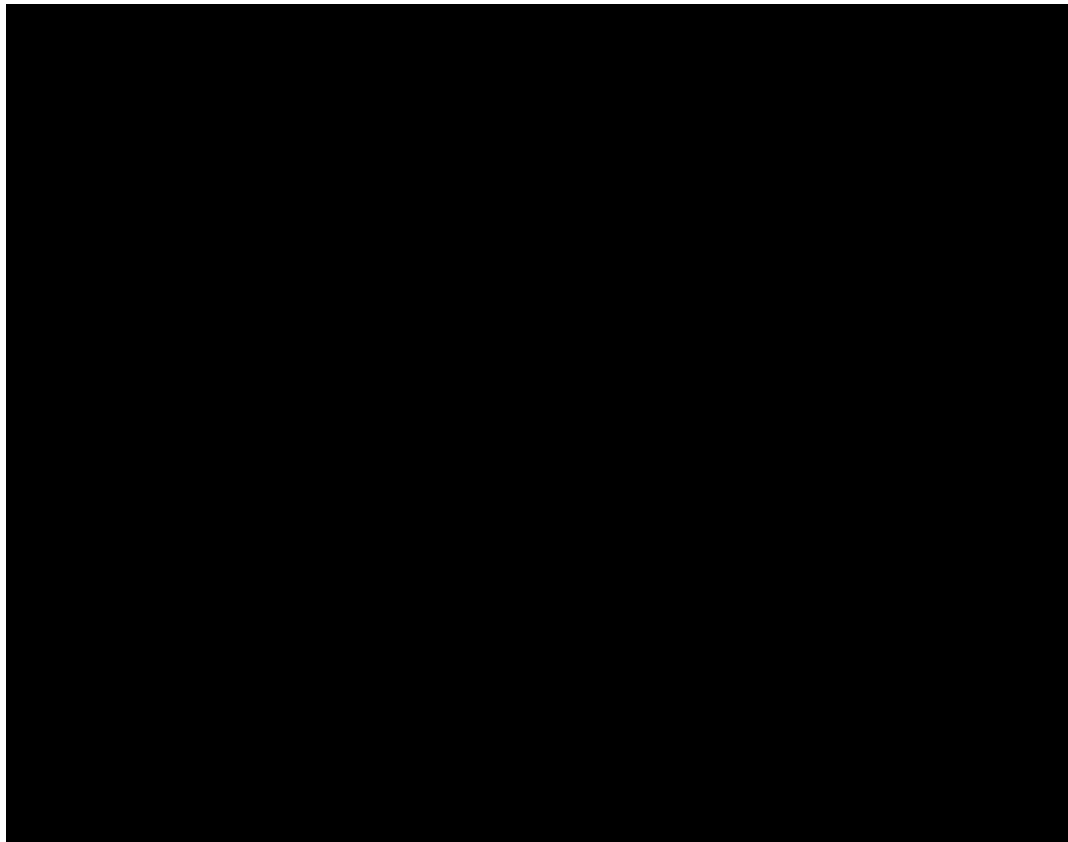
CHOICE

What are momentary and molar maximizing?

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Individual differences in choice

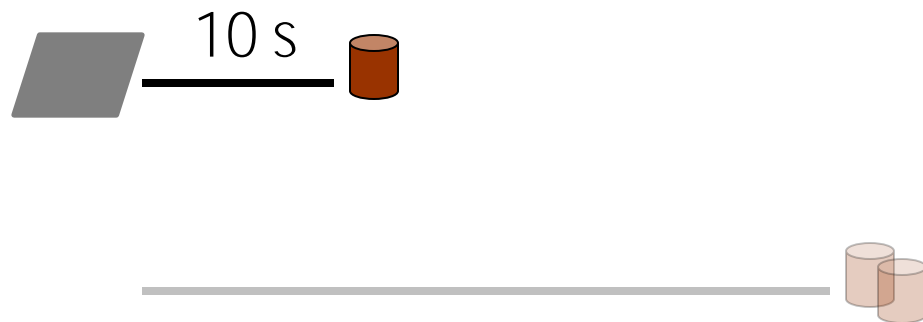


Individual differences in choice

Individual differences in choice

A rat version of the cookie dilemma:

SS 10s 1 PELLETT LL 30s 2 PELLETT



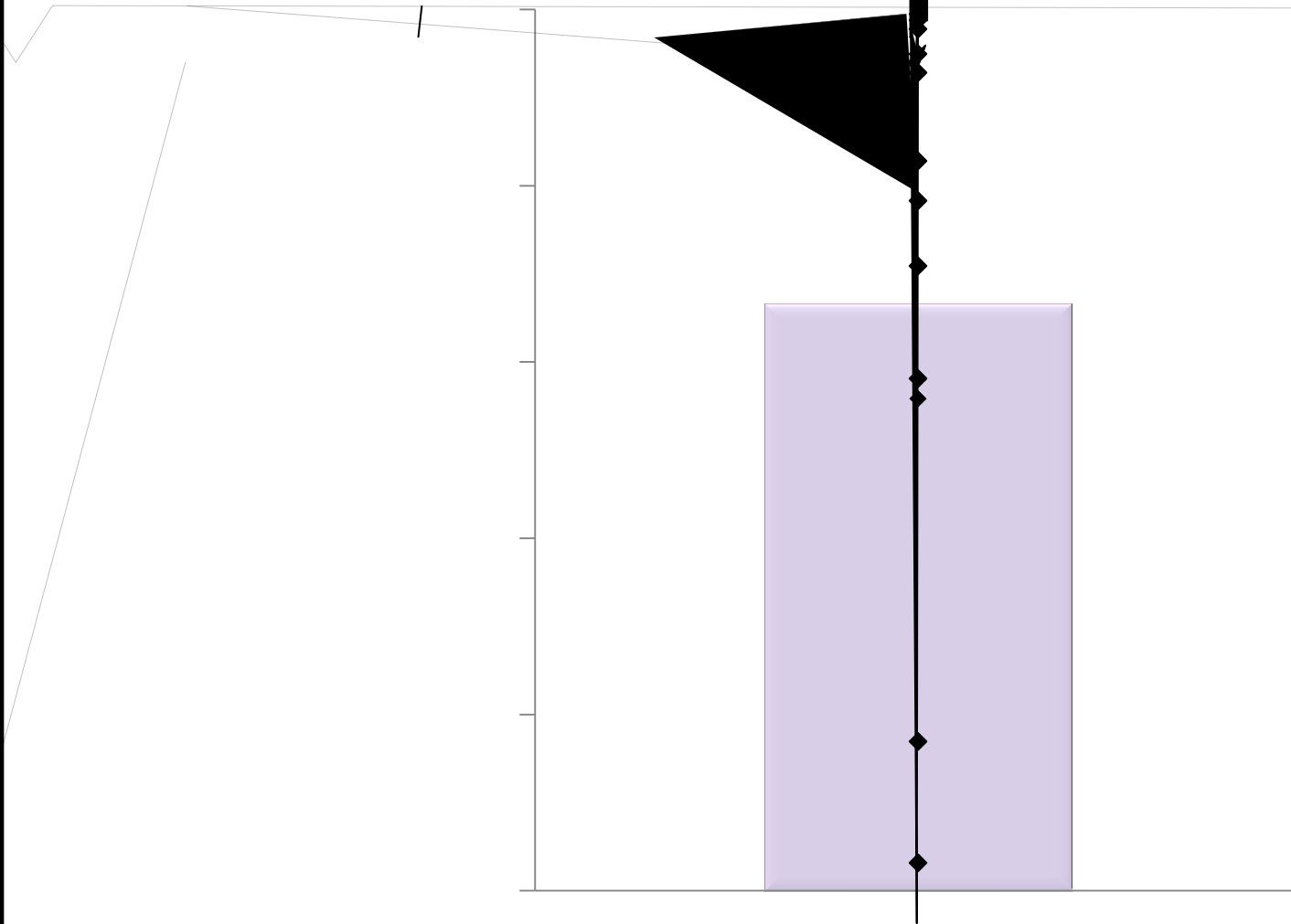
Individual differences in choice

A rat version of the cookie dilemma:

SS 10s 1 PELLETT LL 30s 2 PELLETT



Individual differences in choice



Moderating choice behavior

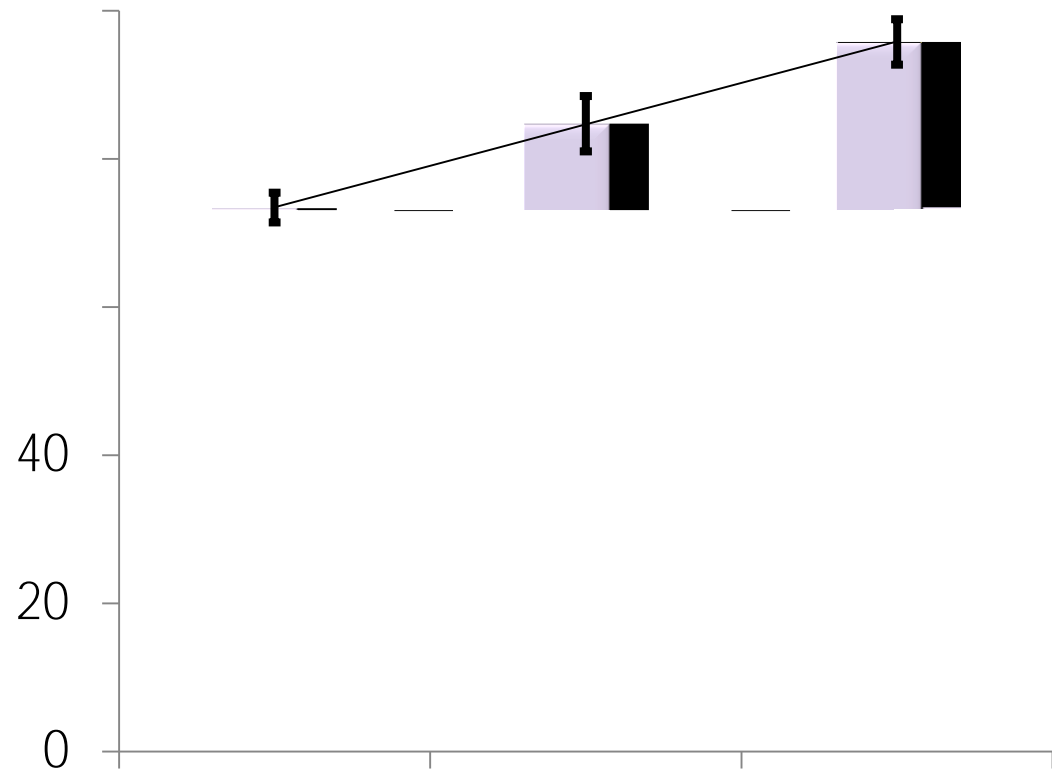
Why?

The ability to moderate choice behavior depending on outcome is important:

Underlying factors may be a cause of disorders,
e.g. Insensitivity to outcome delay
 Insensitivity to outcome amount

Moderating choice behavior

Manipulating the SS delay



Moderating choice behavior

Moderating choice behavior

Manipulating the LL amount:

SS 10s 1 PELLET

LL 30s

Increasing LL
amount
increases molar
maximizing

Predicting choice behavior

Correlating performance on other behavioral tasks with choice behavior.

Why?

Predicting choice behavior

Correlating performance on other behavioral tasks with choice behavior.

Why?

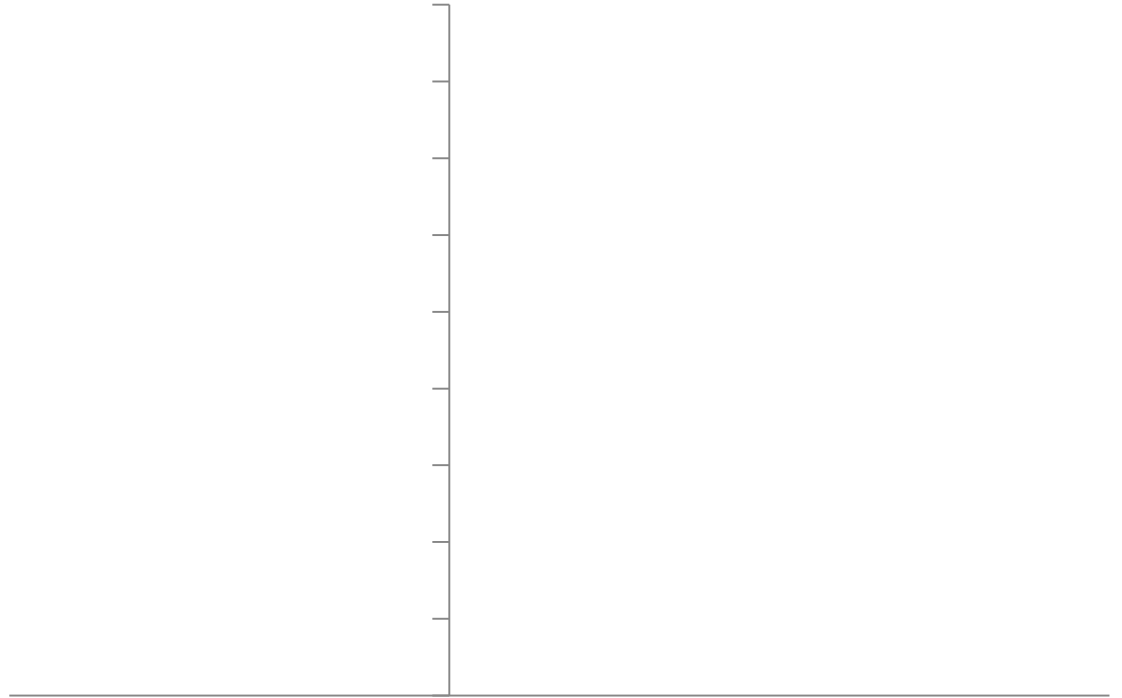
If performance on simple tasks can predict choice behavior they can be used in screening.

If performance on other tasks is related to

Predicting choice behavior

Predicting choice behavior

Outcome efficiency: DRL 10s



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Predicting choice behavior

Predicting choice behavior

Incentive motivation to work for increasing
reward: PR

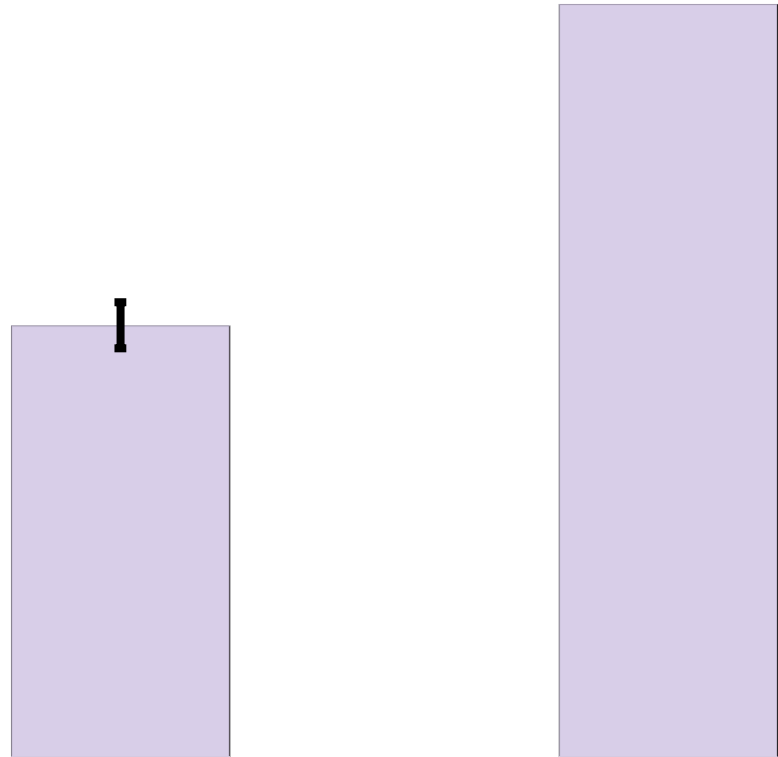


Predicting choice behavior

Incentive motivation to work for increasing
reward: PR

Predicting choice behavior

Incentive motivation to work for increasing reward: PR



Predicting choice behavior

Applications of a rat model

Applications of a rat model

Rats can be given similar choice situations that people face (see also Ik).

Applications of a rat model

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Rats can be given similar choice situations that

