

Vinn de Smart Tray

An Automated Food Intake and Eating Behavior Assessment Method

Femke de Gooijer

PhD candidate

@WUR/OnePlanet

Team members

Michele Tufano

PhD candidate

@WUR

Esther Kok

Research Engineer

@WUR

Jasper Fabius, PhD

Data Scientist

@OnePlanet

Marlou Lasschuijt, PhD

Postdoc

@WUR

Guido Camps, PhD

Researcher

@WUR, Researcher @OnePlanet,

Scientific Director Innovation Center for AI,

Group leader Hungry Robots Lab



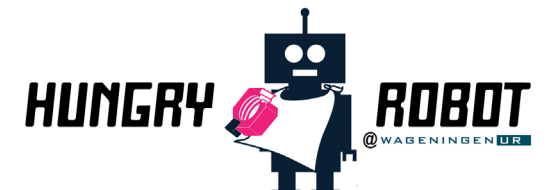
Europese Unie

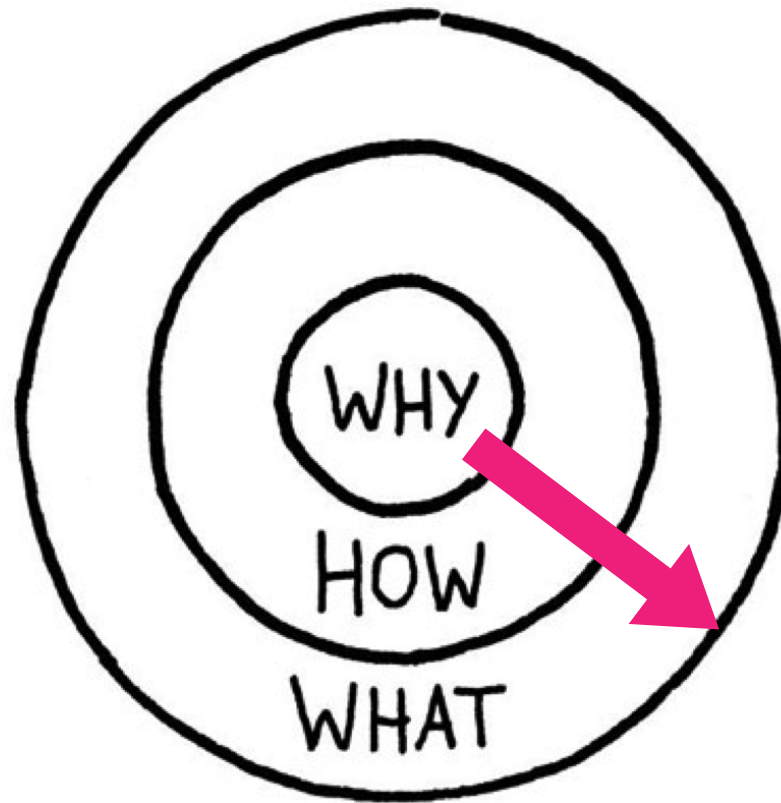


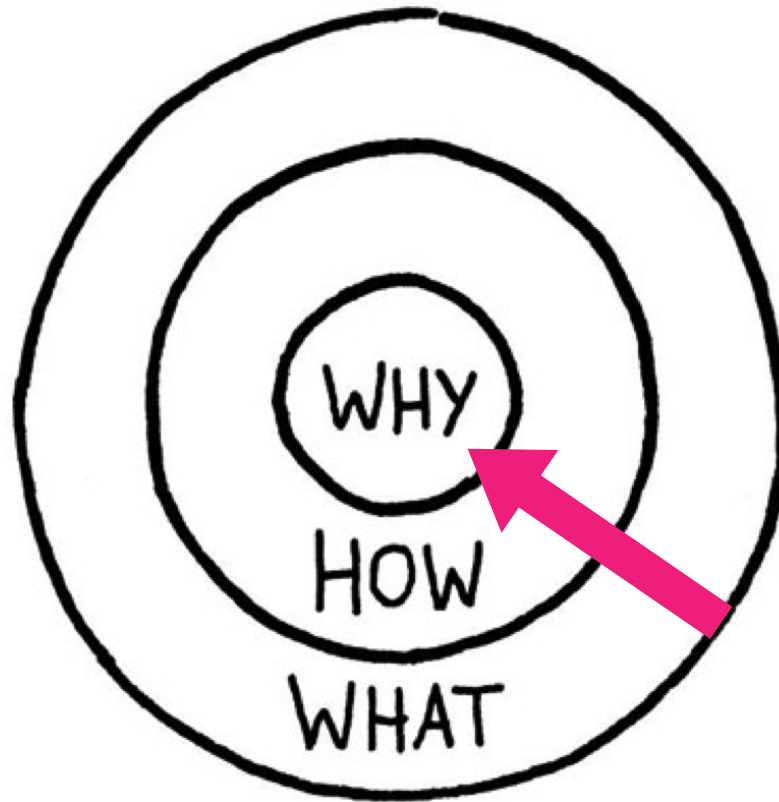
Europees Fonds voor Regionale Ontwikkeling



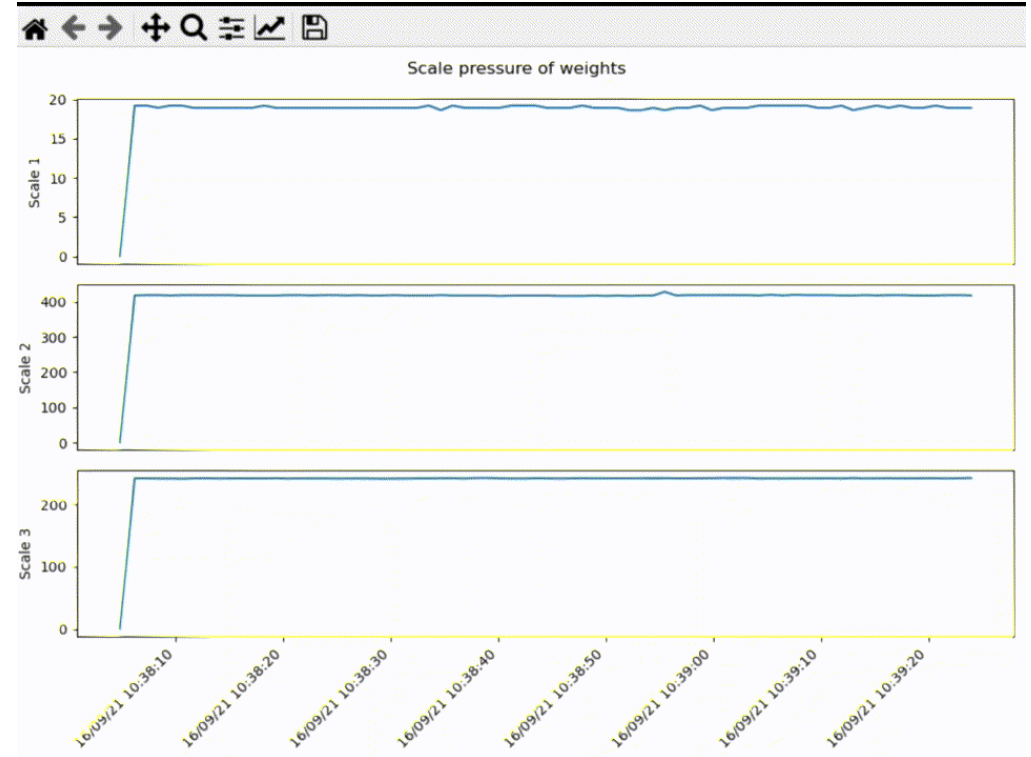
WAGENINGEN
UNIVERSITY & RESEARCH



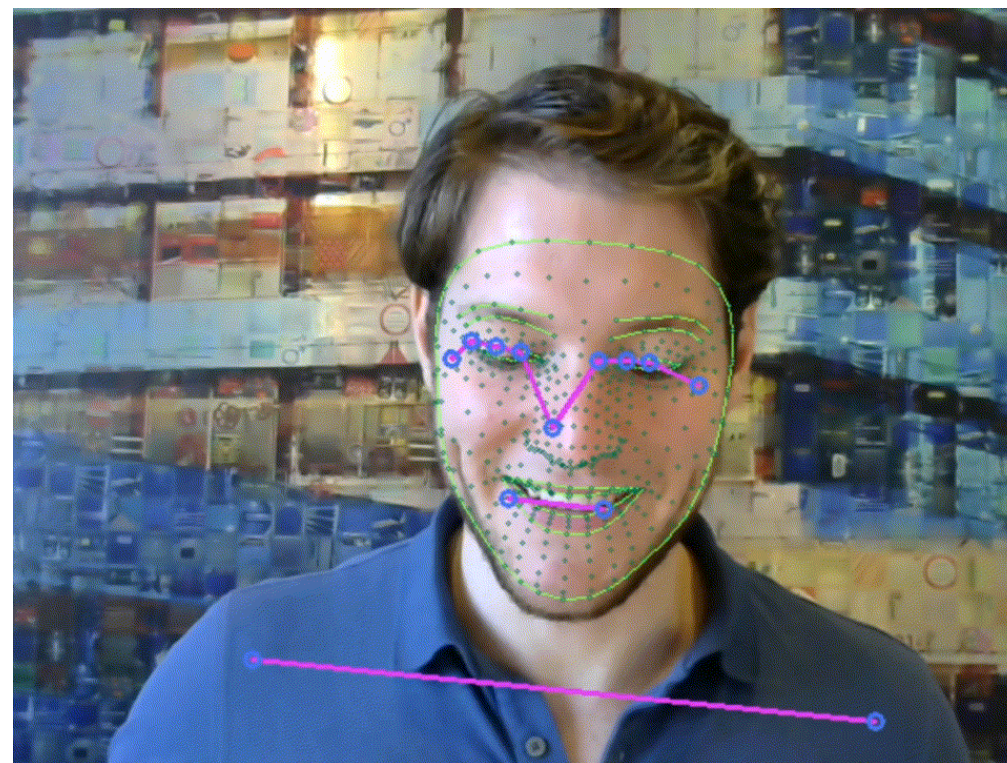


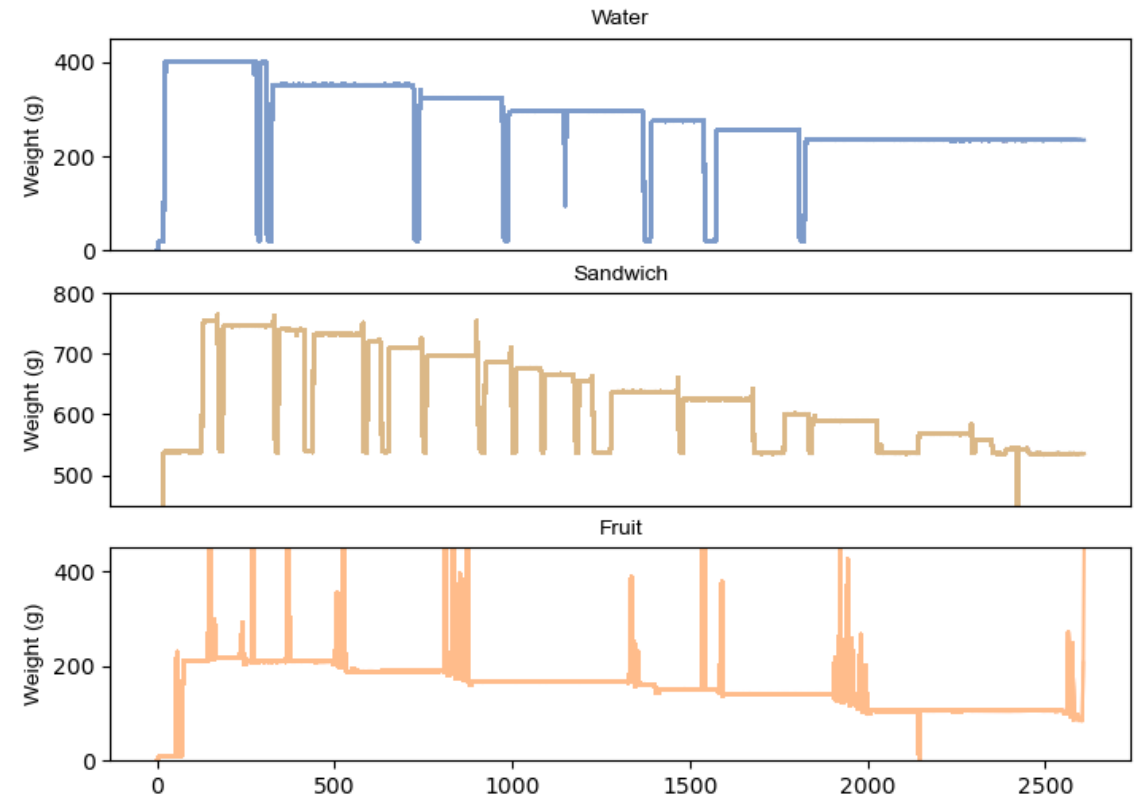


WHAT



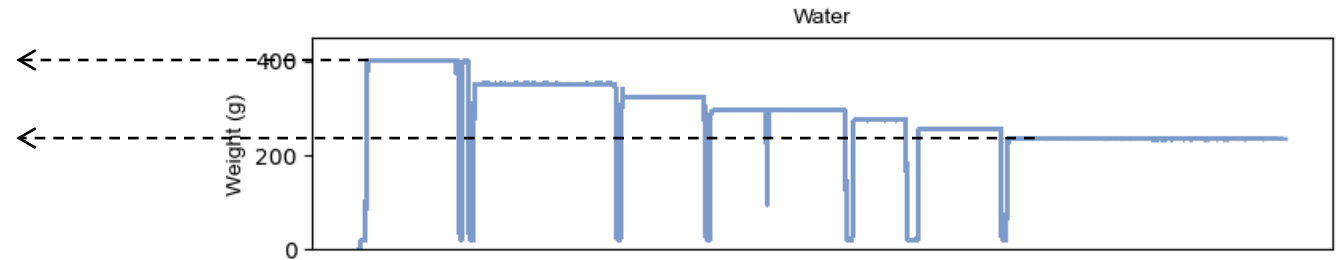
WHAT



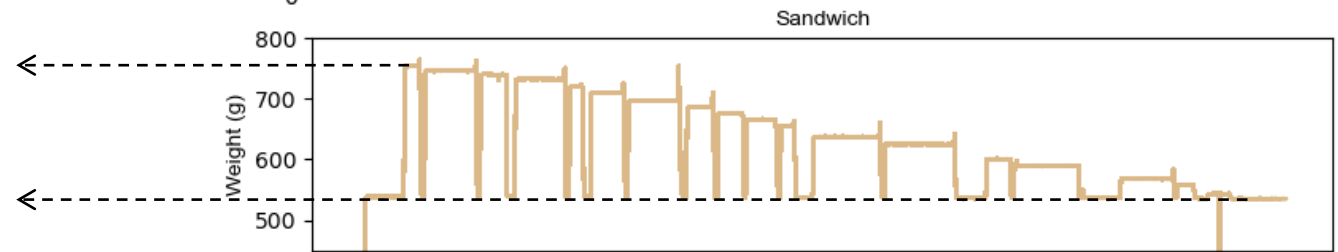


HOW

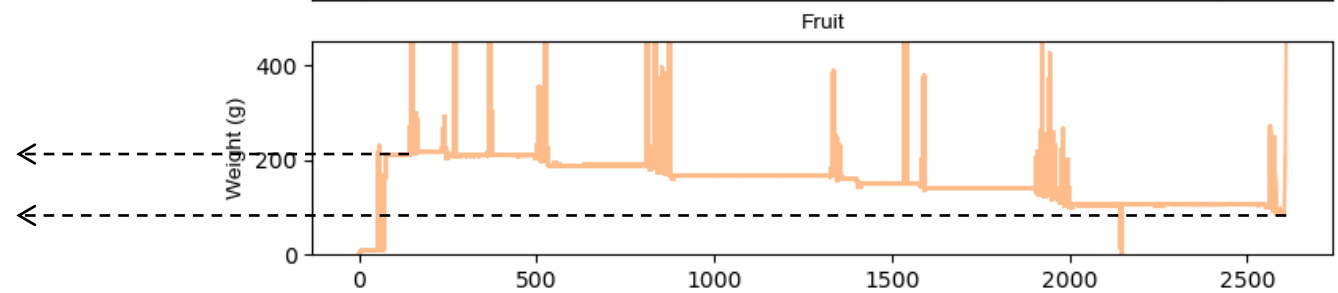
160 grams of water



310 grams of sandwich

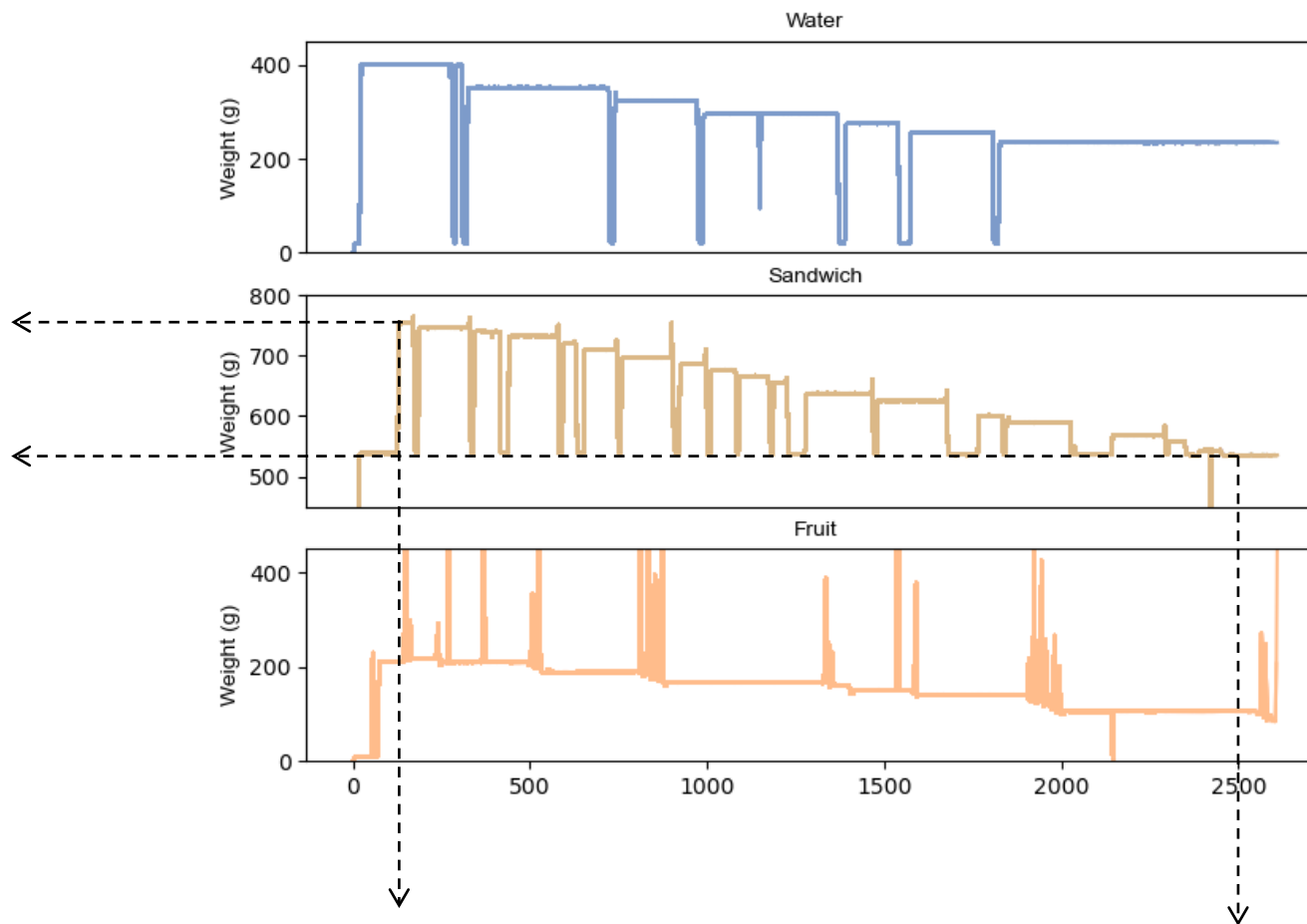


130 grams of fruit



HOW

310 grams of sandwich



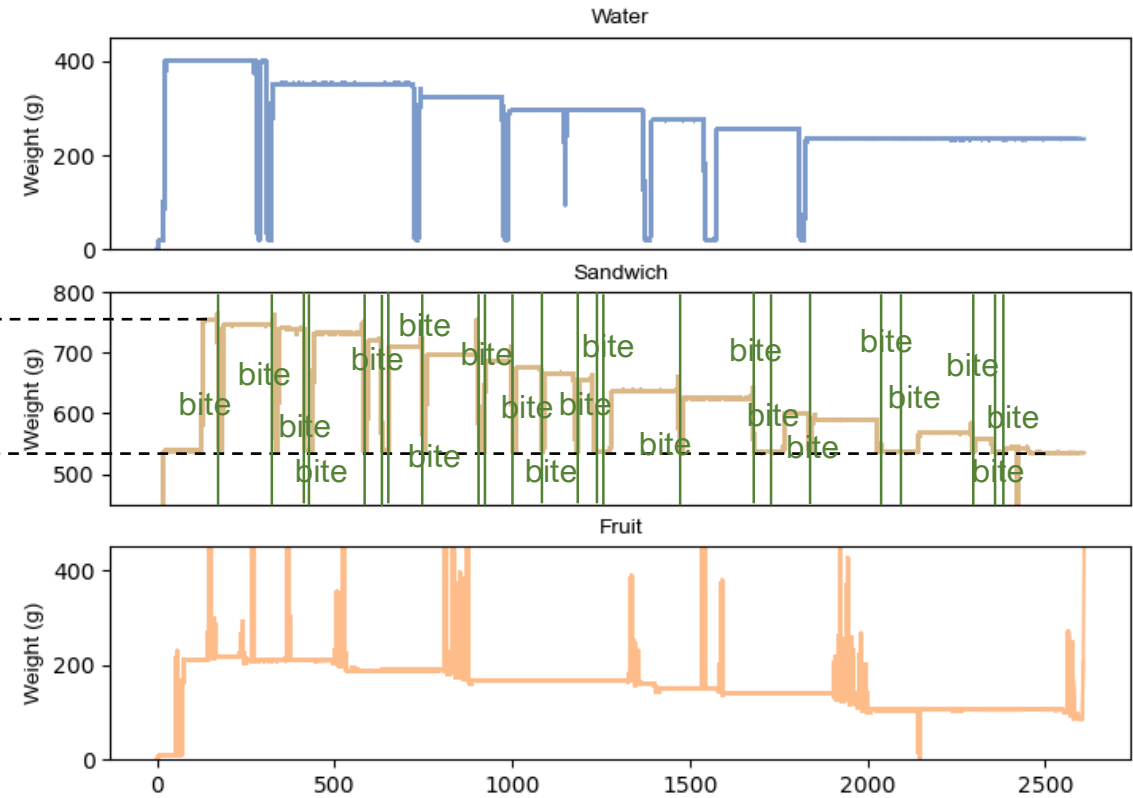
19,8 min → 15,7 gr/min

HOW

310 grams of sandwich
24 bites

→ 12,9 gr/bite

→ 22,3 chews/bite



WHY
- research -

food characteristics



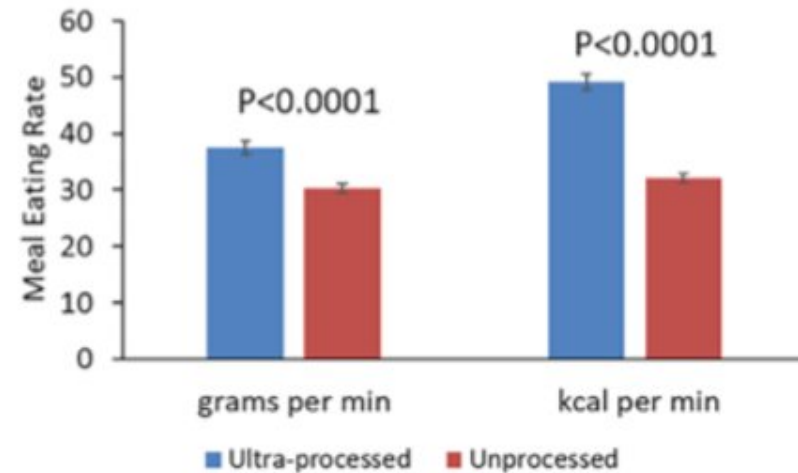
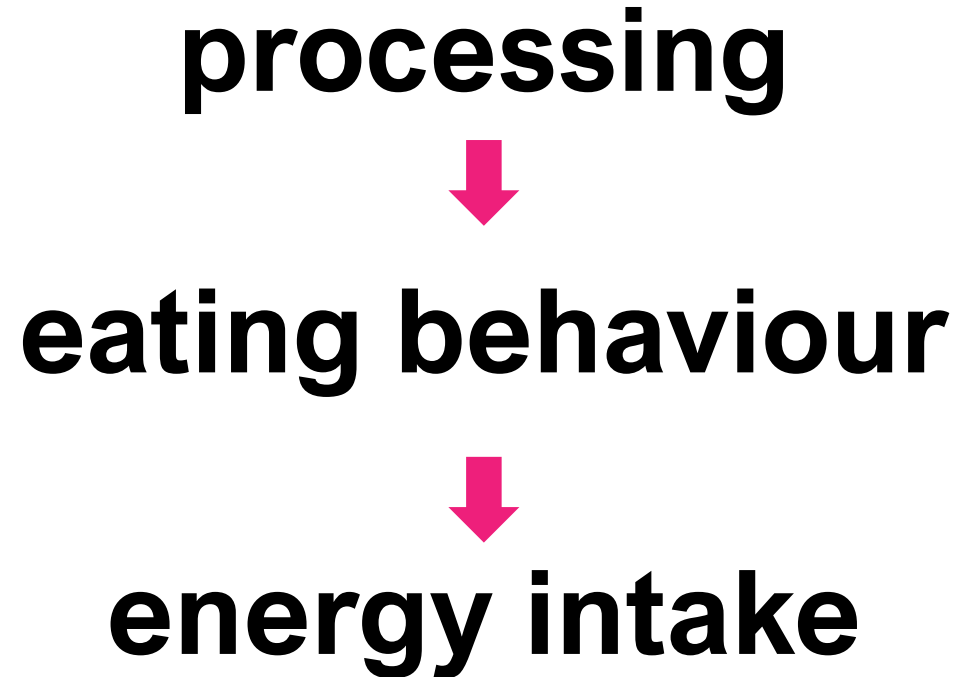
eating behaviour



health



WHY
- research -

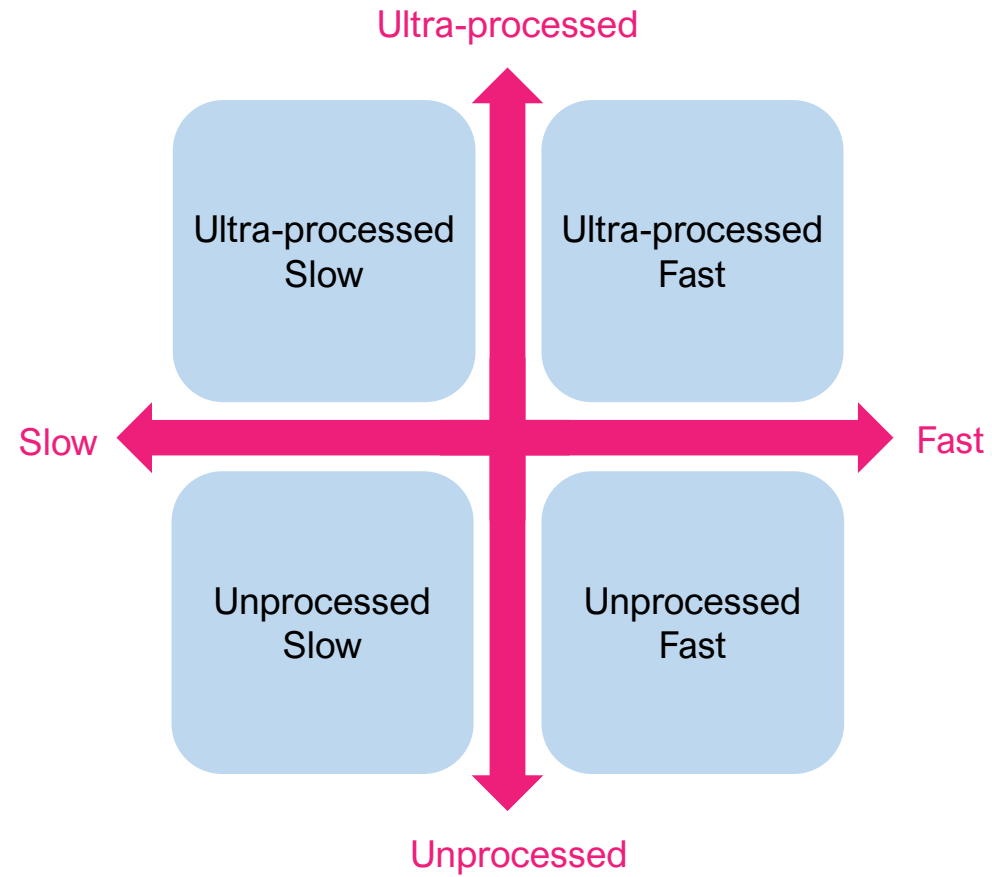


Source: Hall, K. D., et al.(2019). Ultra-processed diets cause excess calorie intake and weight gain: an inpatient randomized controlled trial of ad libitum food intake. Cell metabolism, 30(1), 67-77.



N = 18
288 meals

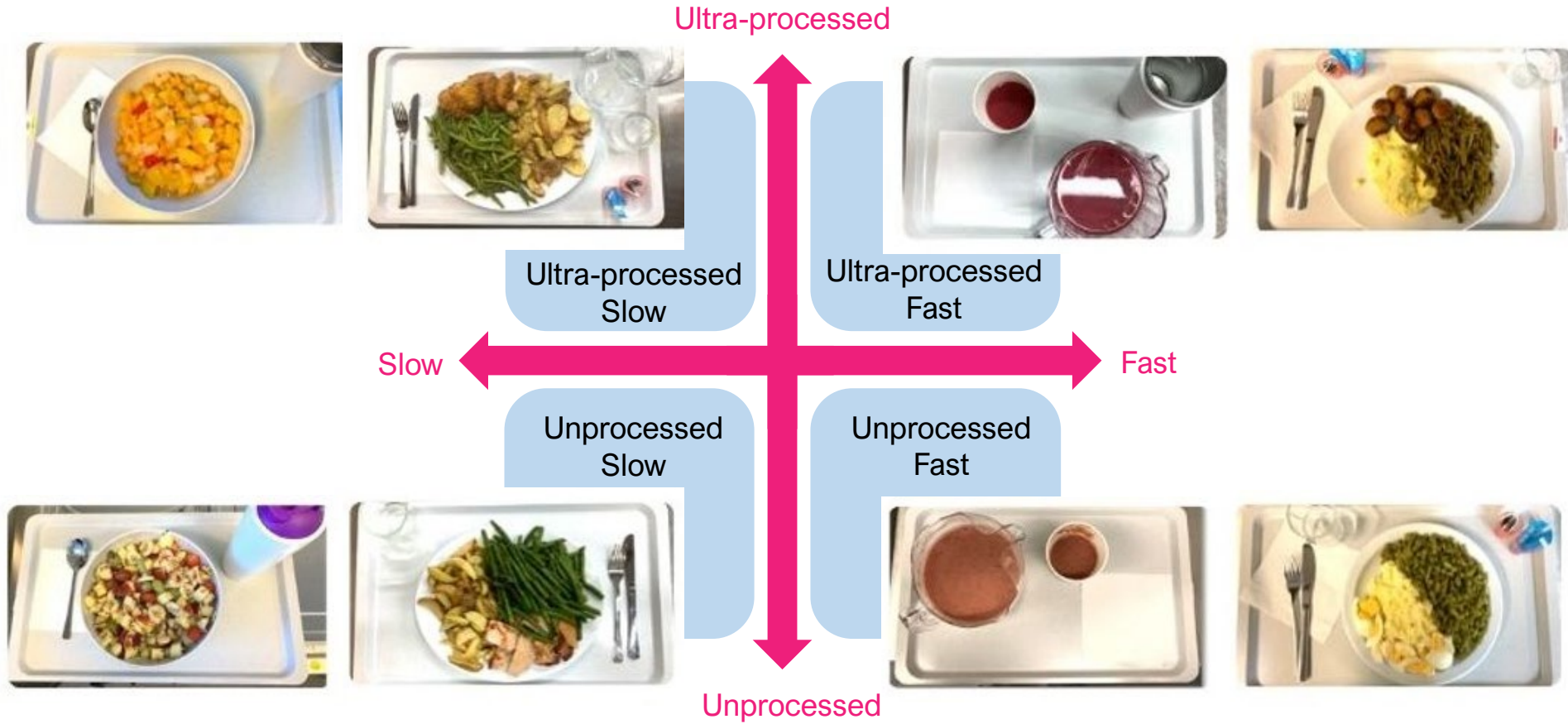
WHY
- research -





WHY

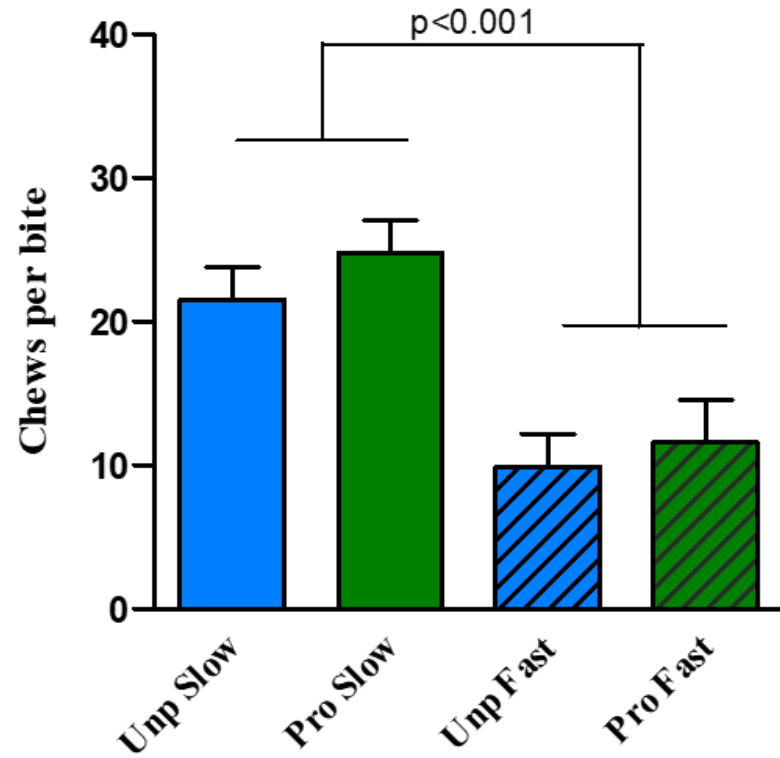
- research -



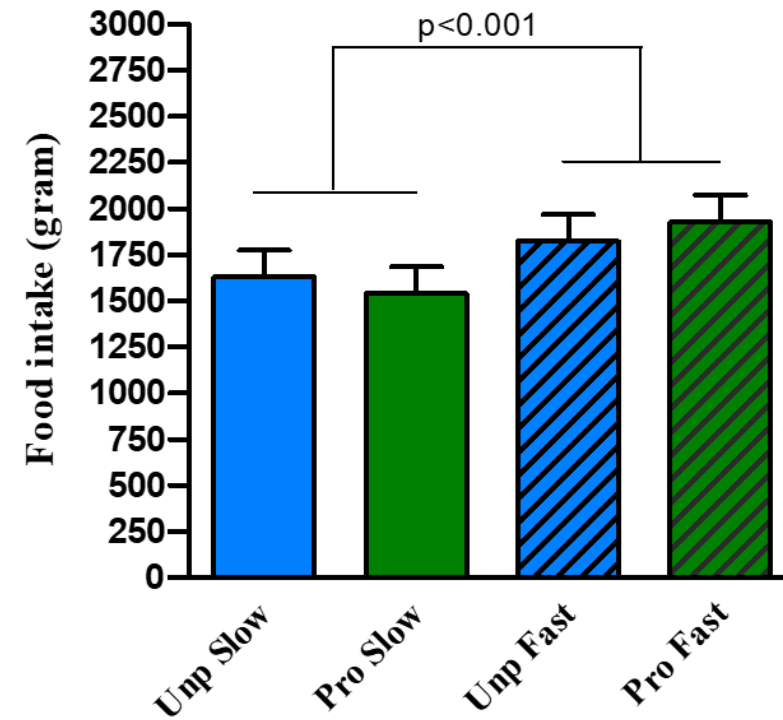


WHY
- research -

115% difference



22% difference



WHY

- healthcare -



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