

Let's talk structure

the positive consequences of structural representations of social categories

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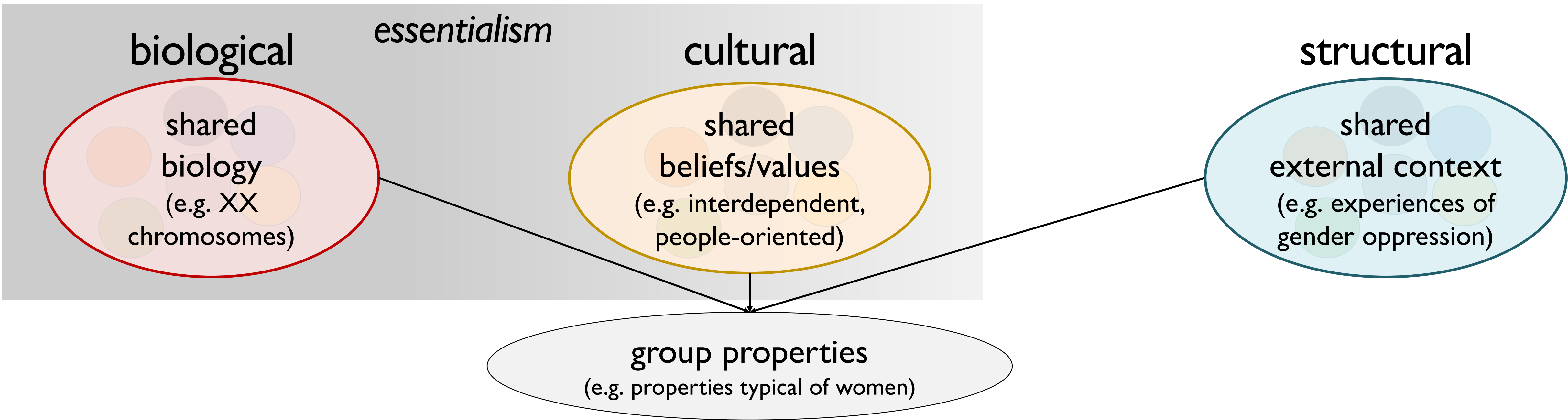


How should we represent social categories (e.g. gender, race)?

We know *essentialism* of social categories (e.g. positing a biological essence) is problematic.

Is characterizing a group in terms of shared beliefs/values also problematic?

Could structural representations be a more positive alternative?



Cultural representations may be a mild form of essentialism.

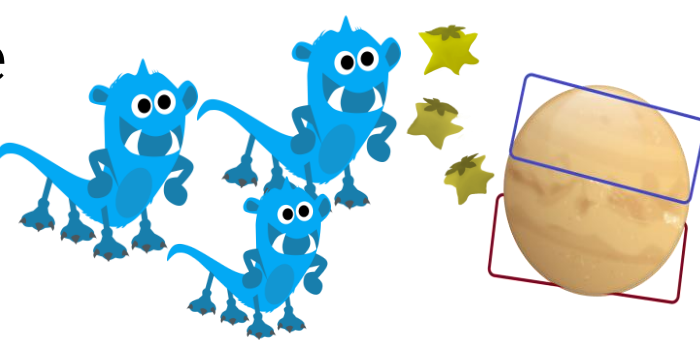
Structural representations lead to various positive consequences, suggesting we should think about social categories in a structural way.

Exp 1 & 2: diet

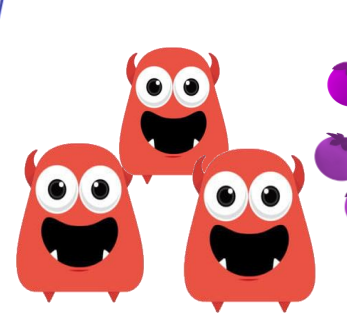
US adults (n=167, ~55/condition, MTurk)

US 5-8yo (n=67, ~22/condition, Zoom via [Children Helping Science](#))

Zarpies live on this side of the planet.
Zarpies eat starberries.



Vawns live on the other side of the planet.
Vawns eat roundberries.



allergy/intolerance

Because of the way their bodies work, other berries make them sick, so ...

taboo restrictions

Because they believe eating other berries is bad luck, ...

environmental access/availability

Because starberries are the only berries that grow in the area where they live, ...

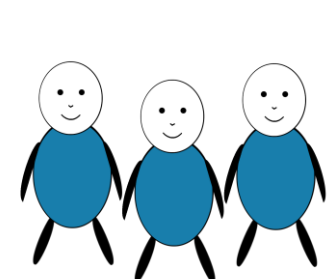
...Zarpies eat starberries.

diet

Exp 3: low-status occupation

US adults (n=90, 30/condition, MTurk)

Zarpies work as aquafruit farmers... paid very little... can also be dangerous...



Vawns work as distribution managers... earn a comfortable wage.... relatively low risk...

physiology

...because Zarpies see better in the water than on land, their bodies are streamlined and powerfully built, and they have big hands and feet that are good for swimming, from even early in childhood. Zarpies' bodies are well-suited to farming aquafruit.

tradition, values

...because Zarpies grow aquafruit by tradition, have passed down knowledge of how to farm aquafruit to their children for generations, and feel a special attachment to the ocean. Zarpies' traditions and values are well-suited to farming aquafruit.

government discrimination

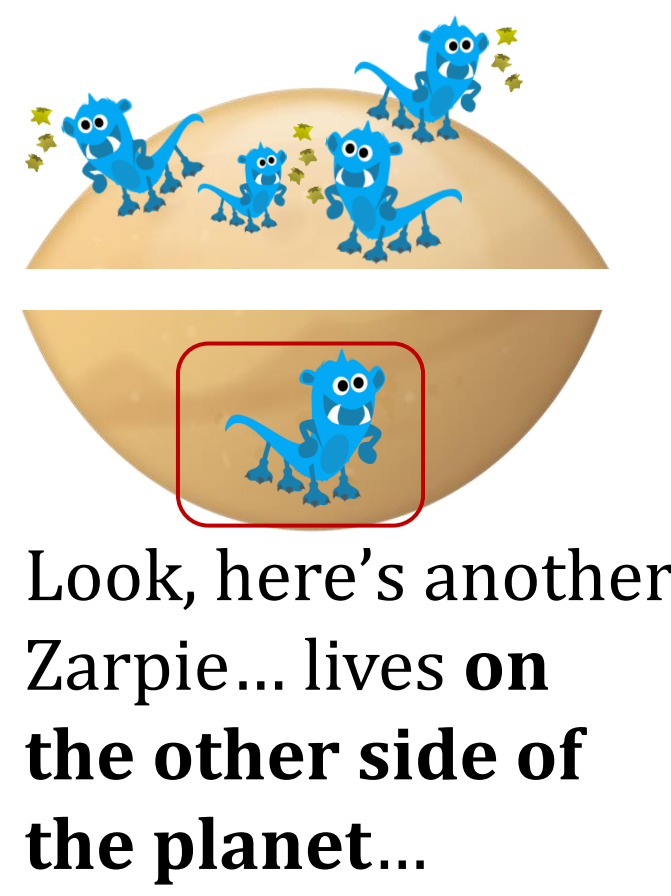
...because Zarpies are required by this island's government to fill out complex and expensive paperwork to be hired in other jobs, which limits economic opportunities for Zarpies. This situation leads Zarpies with little other choice than to farm aquafruit.

Zarpies work as aquafruit farmers.

low-status occupation

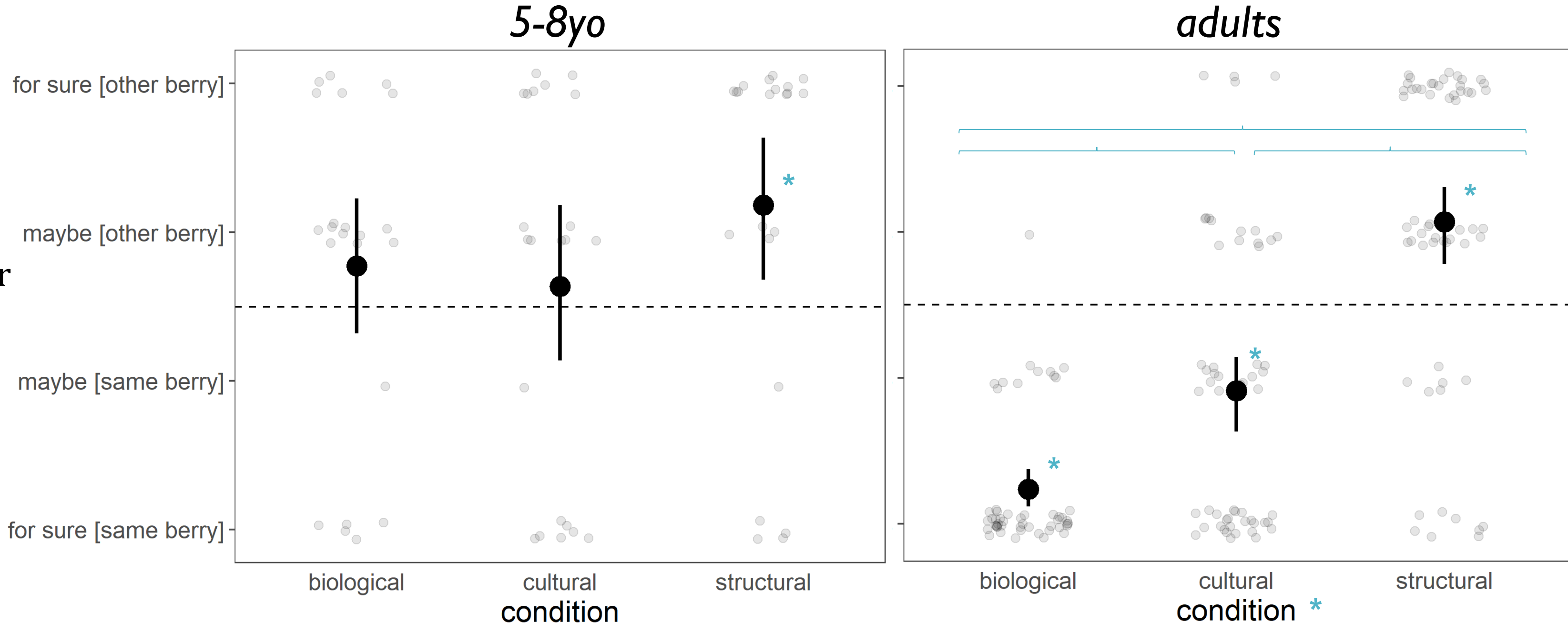
What is the case

more context-sensitive generalization in adults



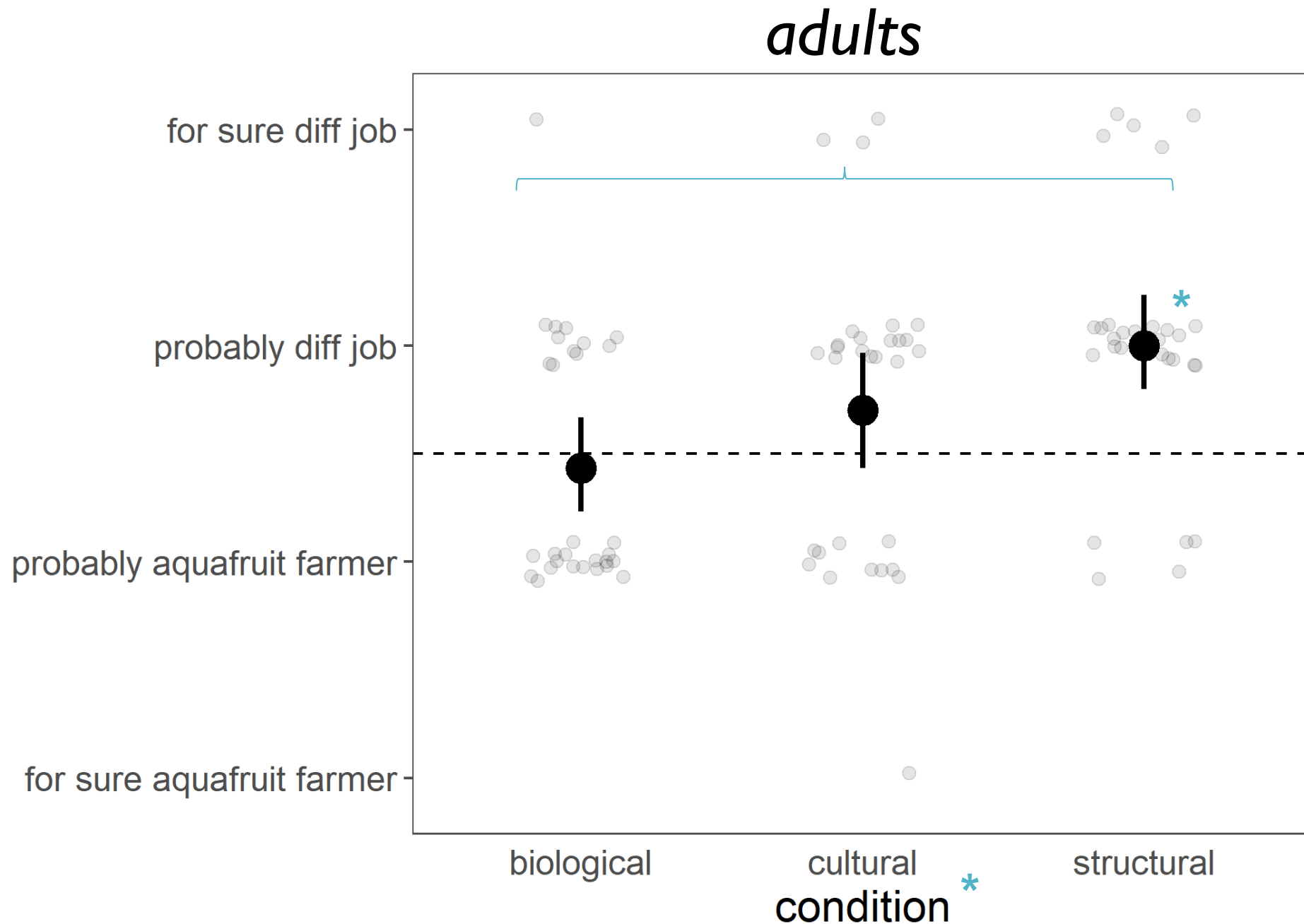
Look, here's another Zarpie... lives on the other side of the planet...

Which berries do you think this Zarpie eats?



Look, here's another Zarpie... born and raised in a different island country... lives and works there...

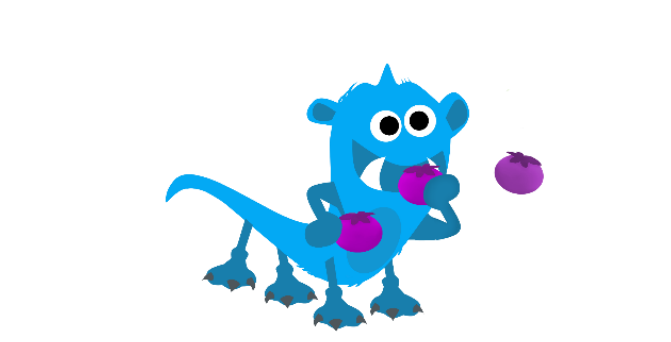
What job do you think this Zarpie works in their country?



What should be the case

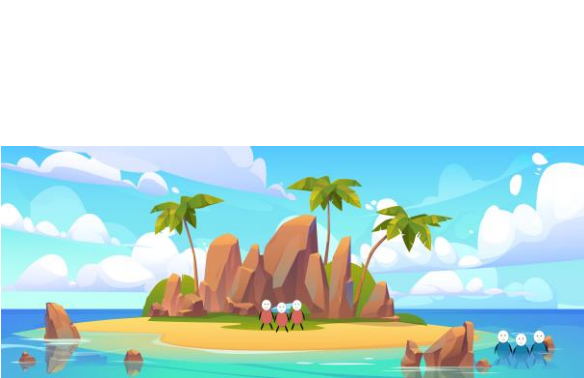
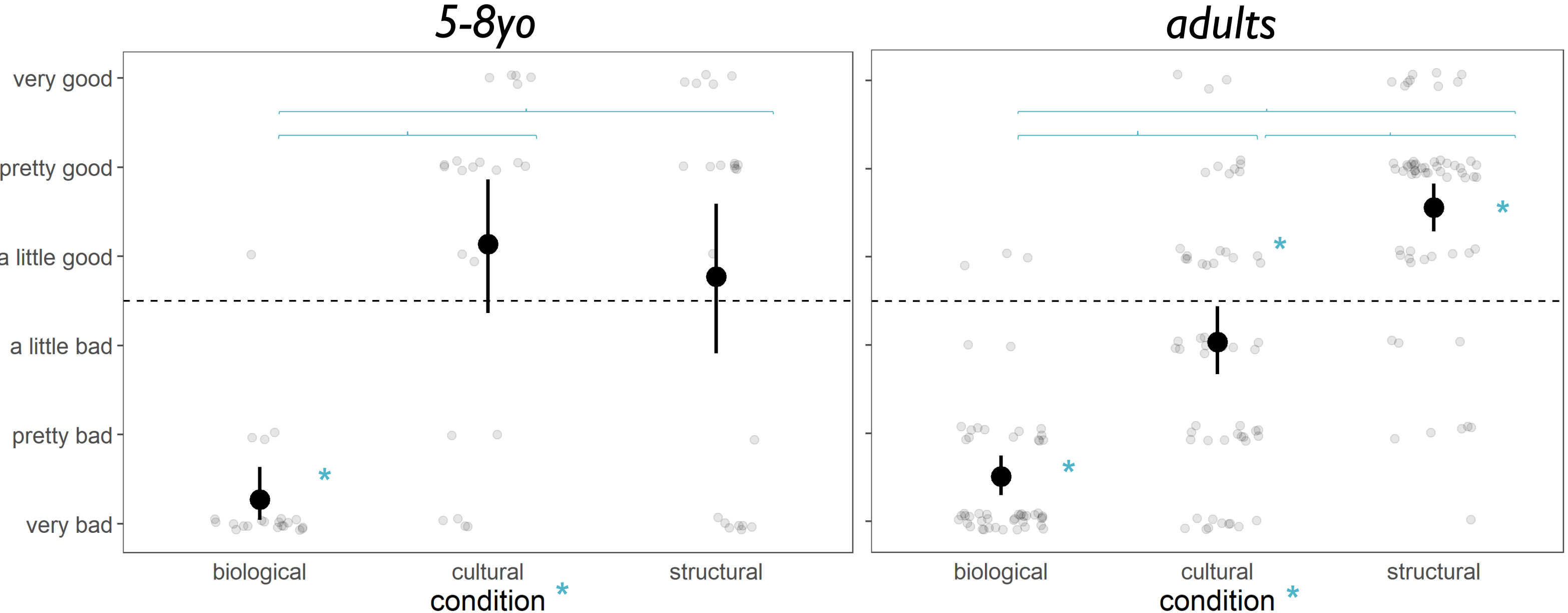
less negative attitudes towards non-conformity,

less endorsement of present disparities

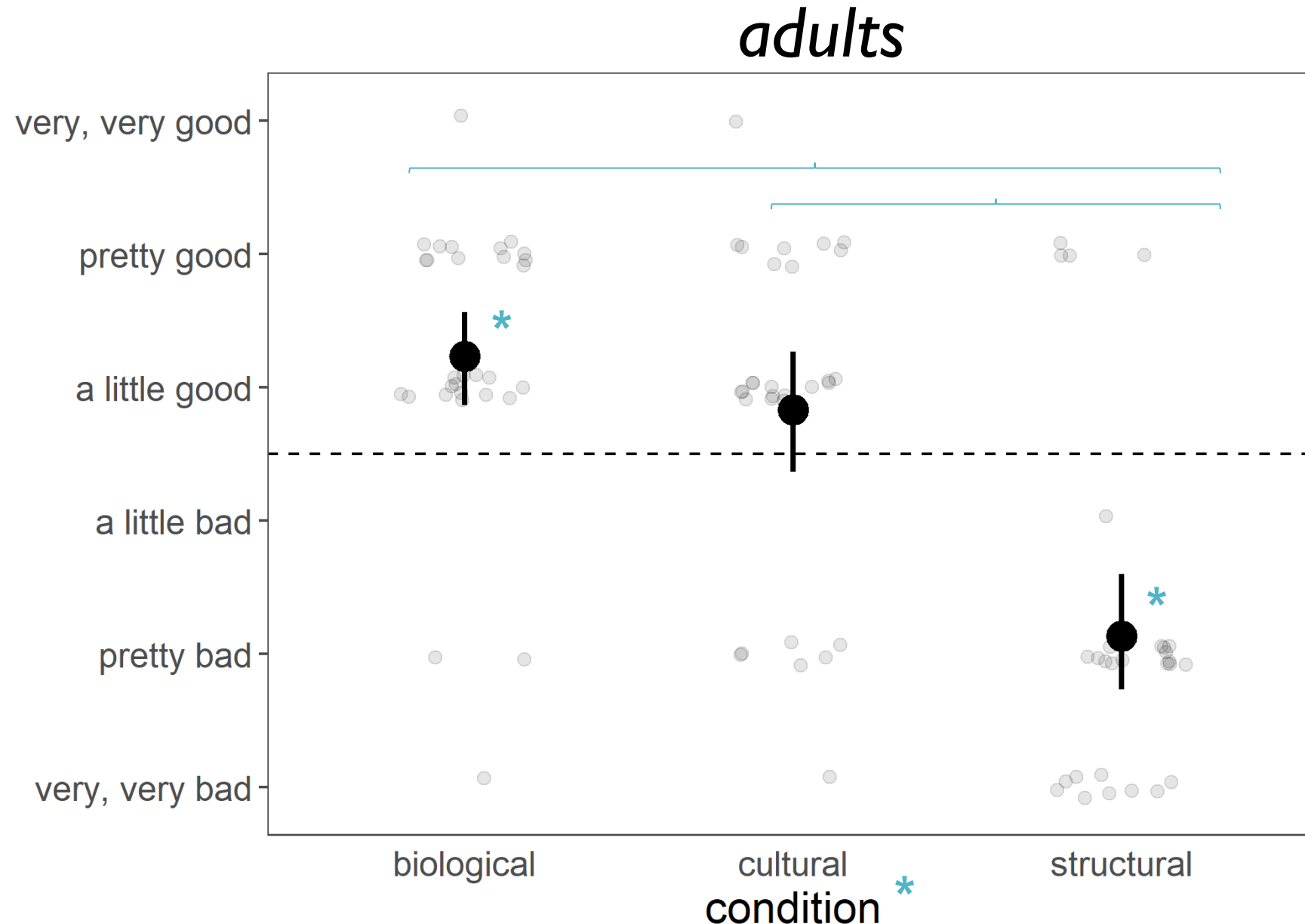


Look, this Zarpie is eating [other berries]!

Is it okay or not okay for this Zarpie to eat [other berries]?



Is it okay or not okay that Zarpies mostly work as aquafruit farmers and Vawns mostly work as distribution managers?

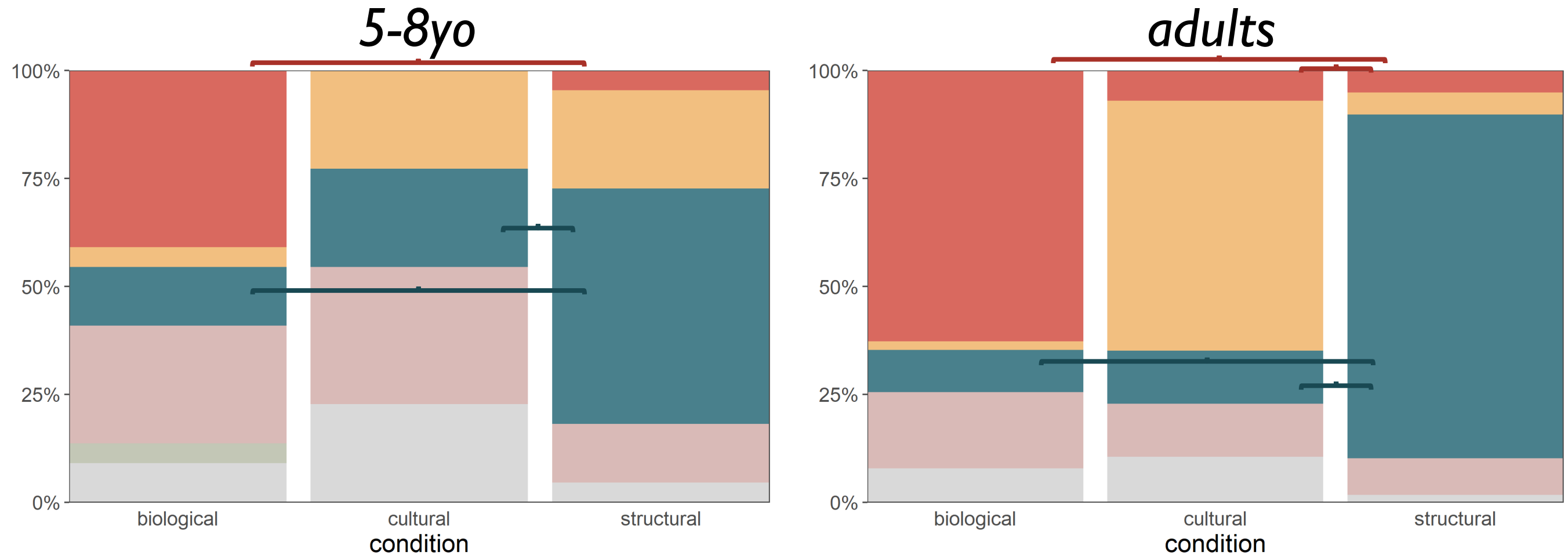


How to change what is the case

more interventions on structural context & fewer interventions on the group

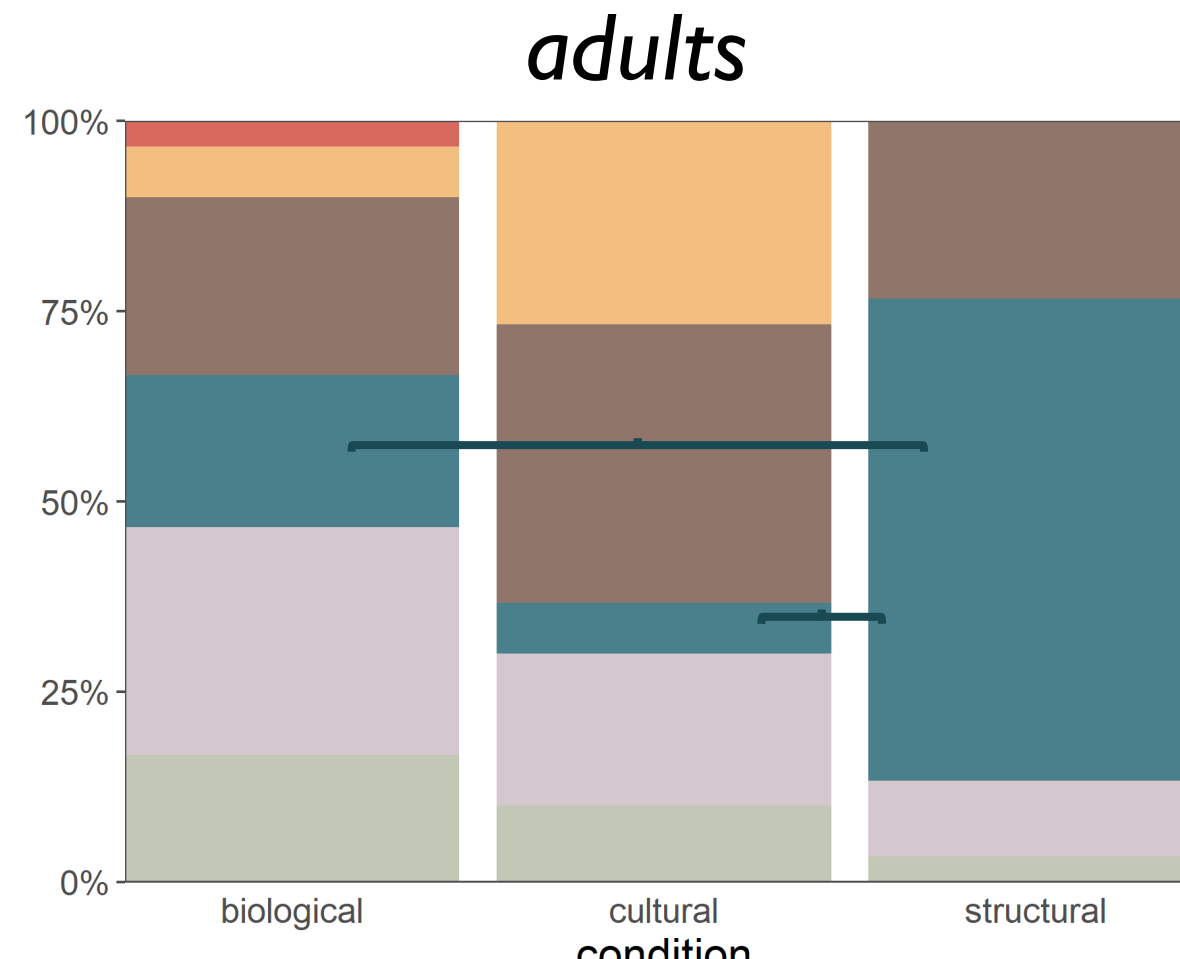
5-8yo: what could we do / adults: what would you do, so that the Zarpies can eat [other berry]?

- change group biology *5-8yo *adults
- change group beliefs/culture *adults
- change environment (increase food access) *5-8yo *adults
- change the food
- other



If you could make anything happen, what would you do to get the Zarpies to work as distribution managers?

- change group: *
 - change group biology
 - change group beliefs/culture *
- change structural context: *
 - provide job training to group
 - create more jobs or access to jobs *
 - change job wages, value, hours, work
 - other



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* = 95% bootstrap CIs
— = diff. between means (FDR-corrected)
* = main effect of condition (controlling for difficulty of intervention) or diff. from midpoint (two-sided t-test)