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Background

- Autonomy: the ability to make choices and exert control over one's environment.
- Supporting the need for autonomy by providing choices = effective coaching strategy.



Background

Two common types of instructions:

Supportive: allows to
make choices & exert
control over practice
environments.

Controlling: deprives choices and/or a sense of control over practice environments.

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Background Two common types of instructions:

Supportive: <u>allows</u> to	Controlling: <u>deprives</u>
make choices & exert	choices and/or a sense
control over practice	of control over practice
environments.	environments.
"Do you prefer we start	"You will start with exercise
with exercise X or Z?"	X and then complete Z"

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Study 1

Psychon Bull Rev. 2015 Oct;22(5):1383-8. doi: 10.3758/s13423-015-0814-7.

Choose to move: The motivational impact of autonomy support on motor learning.

Lewthwaite R^{1,2}, Chiviacowsky S³, Drews R³, Wulf G⁴.

Author information

Study 1

Control group

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practiced golf putting for a set number of trials.



Control group

practiced golf putting for a set number of trials.



Study 1

Choice group

Practiced golf putting for a set number of trials but got to choose color of ball (!)



Lewthwaite et al., 2015

Lewthwaite et al., 2015



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Study 2

Part 1 – case-study

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World champion kickboxer completed a no-choice & choice round over 6 days.

Part 2 – group study

13 amateur competitive kickboxers completed same protocol over 2 days.

Halperin et al., 2017

Study 2

Combat athletes delivered 12 punches in a pre-determined order (no-choice) and in a self-selected order (choice).



Halperin et al., 2017



Combat athletes delivered 12 punches in a pre-determined order (no-choice) and in a self-selected order (choice).





Halperin et al., 2017











1. Let the athletes you work with make some decisions. It will have a positive effect on their performance, learning, motivation, etc.





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Happiness Studies

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5. Use a variety of choices: irrelevant, less relevant and task relevant.

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5. Use a variety of choices: irrelevant, less relevant and task relevant.

a wuranna a	Irrelevant	Less-relevant	Relevant
Creating	Beginner	Intermediate	Advanced



5. Use a variety of choices: irrelevant, less relevant and task relevant.



Recommendations

6. Figure out who is in front of you.

Large variability between people concerning how many and what type of choice they benefit from.

Explore.





Case-study 1 - S&C

• ANBF Australian & Australasian middleweight boxing champion.

· Intelligent, committed, determined, knowledgeable & wanted to be involved.



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Case-study 2 - Kickboxing

- ISKA featherweight kickboxing world champion.
- Trusts his team, passionate, easy to coach, ٠ open-minded & a hard worker.





200 Case-study 2 - Kickboxing Involved to a lesser extent in decisions ٠ concerning training approach & design. • High trust in team = preferences for group decision-making. · For the most part, my coaching language was suggestive with bouts of controlling language. **Thoughts?**

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Thank you for your time!