

# (Re)conceptualizing movement behavior in sport as a problem-solving activity

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# Citation:

MYSZKA, Shawn, YEARBY, Tyler and DAVIDS, Keith (2023). (Re)conceptualizing movement behavior in sport as a problem-solving activity. Frontiers in Sports and Active Living, 5. [Article]

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RECEIVED 18 July 2023 ACCEPTED 24 July 2023 PUBLISHED 09 August 2023

#### CITATION

Myszka S, Yearby T and Davids K (2023) Corrigendum: (Re)conceptualizing movement behavior in sport as a problem-solving activity. Front. Sports Act. Living 5:1261067. doi: 10.3389/fspor.2023.1261067

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# Corrigendum: (Re)conceptualizing movement behavior in sport as a problem-solving activity

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#### KEYWORDS

movement behavior, problem-solving, ecological dynamics, dexterity, perception-action coupling, affordances (ecological psychology)

#### A Corrigendum on

(Re)conceptualizing movement behavior in sport as a problem-solving activity

Myszka S, Yearby T and Davids K. (2023) Front. Sports Act. Living 5:1130131. doi: 10.3389/fspor. 2023.1130131

#### **Incorrect Reference**

In the published article, the reference for Araújo et al. (2019) was incorrectly written as "Araújo D, Hristovski R, Seifert L, Carvalho J, Davids K. Ecological cognition: expert decision-making behaviour in sport. *Int Rev Sport Exerc Physiol.* (2019) 12(1):1–25. doi: 10.52547/joeppa.12.1.1"

It should be "Araújo D, Hristovski R, Seifert L, Carvalho J, Davids K. Ecological cognition: expert decision-making behaviour in sport. *Int Rev Sport Exerc Psychol.* (2019) 12(1):1–25. https://doi.org/10.1080/1750984X.2017.1349826"

#### Author Name Misspelled in Reference

In the published article, the name of one of the authors was incorrectly spelled in the reference for "Michaels C, Carello C. *Direct perception*. Englewood Cliffs, NJ: Prentice-Hall (1981)."

It should be "Michaels CF, Carello C. *Direct perception*. Englewood Cliffs, NJ: Prentice-Hall (1981)."

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It should be "Newell KM. Change in movement and skill: learning, retention, and transfer. In: Latash ML, Turvey MT, editors. *Dexterity and its development*. Mahwah, NJ: Lawrence Erlbaum Associates (1996). p. 393–429."

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It should be "Teques P, Araújo D, Seifert L, del Campo VL, Davids K. The resonant system: linking brain-bodyenvironment in sport performance. In: Wilson MR, Walsh V, Parkin B, editors. *Progress Brain Res.* Amsterdam, North Holland: Elsevier (2017) 234:33–52. doi: 10.1016/bs.pbr. 2017.06.001"

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It should be "Withagen R, Araújo D, de Poel HJ. Inviting affordances and agency. *New Ideas in Psychol.* (2017) 45:11–18. doi: 10.1016/j.newideapsych.2016.12.002"

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It should be "Woods CT, Rudd J, Robertson S, Davids K. Wayfinding: how ecological perspectives of navigating dynamic environments can enrich our understanding of the learner and the learning process in sport. *Sports Med - Open* (2020) 6:51. doi: 10.1186/s40798-020-00280-9"

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It should be "Blau JJC, Wagman JB. Introduction to ecological psychology: A lawful approach to perceiving, acting, and cognizing. 1st ed. New York, NY: Routledge (2022). https://doi.org/10.4324/ 9781003145691"

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#### **Incorrect Reference**

In the published article, the reference for Ade et al. (2017) was incorrectly written as "Ade D, Seifert L, Gal-Petitfaux N, Pozat G. Artefacts and expertise in sport: an empirical study of ice climbing. *Int J Sport Psychol.* (2017) 48(1):82–94. doi: 10.7352/IJSP.2017.48.082"

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climbing. Int J Sport Psychol. (2017) 48(1):82–98. doi: 10.7352/ IJSP.2017.48.082"

#### **Text Correction**

In the published article, there was an error. A correction has been made to **The concept of affordances**, *Information and affordances within sport contexts*, paragraph 2. This sentence previously stated:

"As Gibson (13) stated, "behavior affords behavior". Meaning, it is how two (or more) individuals interact in the competitive performance environment that gives rise to the possibilities for athlete performance behaviors to emerge."

The corrected sentence appears below:

"As Gibson (13) stated, "Behavior affords behavior," meaning it is how two (or more) individuals interact in the competitive performance environment that gives rise to the possibilities for athlete performance behaviors to emerge."

#### **Text Correction**

In the published article, there was an error. A correction has been made to **Discussion**, *Practice design for the facilitation of dexterity*, paragraph 2. This sentence previously stated:

"Research questions may still exist on: (i) how to ensure representativeness of practice designs (i.e., for the movement problems presented), (ii) how to appropriately set a movement problem that adequately stretches a specific athlete's movement behavioral dynamics to a place of continued evolution, (iii) how to determine if a movement solution is "correct", and (iv), how to effectively guide a performer's perception, cognition, and action processes to become functionally fit in matching the problems in their world."

The corrected sentence appears below:

"Research questions may still exist on: (i) how to ensure representativeness of practice designs (i.e., for the movement problems presented); (ii) how to appropriately set a movement problem that adequately stretches a specific athlete's movement behavioral dynamics to a place of continued evolution; (iii) how to determine if a movement solution is "correct"; and (iv) how to effectively guide a performer's perception, cognition, and action processes to become functionally fit to match the problems in their world."

#### **Text Correction**

In the published article, there was an error. A correction has been made to **Discussion**, *Practice design for the facilitation of dexterity*, paragraph 4, footnote 1. This sentence previously stated:

"A detailed discussion on this related literature is beyond the scope of this conceptual analysis. Interested readers should refer to the work of 14, 15, 25, 2."

The corrected sentence appears below:

"A detailed discussion of this related literature is beyond the scope of this conceptual analysis. Interested readers should refer to the work of 18, 19, 20, and 21."

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.