



## **Ilgım Hepdarcan, Ph. D. Candidate**

**Master of Science, Experimental Psychology**

İzmir University of Economics  
Department of Psychology  
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*Currently doing my PhD in Experimental Psychology. Specifically, investigating how magnitude-space based working memory loads affect our judgments about numbers. Also, have a huge interest in using statistical programs to analyze multilevel data structures, especially obtained from working memory tasks.*

### **Academic Appointments**

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Laboratory Supervisor	İzmir University of Economics <i>Department of Psychology</i>	2014 -
Research Assistant	İzmir University of Economics <i>Department of Psychology</i>	2013 - 2014

### **Education and Training**

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Ph.D. (Experimental Psychology)	İzmir University of Economics <i>Advisor: Professor Seda Can</i>	2018 -
M. Sc. (Experimental Psychology)	İzmir University of Economics <i>Advisor: Professor Seda Can</i>	2013 - 2017
B.Sc. (Psychology) 2013	İzmir University of Economics	2009 -

### **Awards and Honors**

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Young Psychologists Research Awards, 2 <sup>nd</sup> prize	<i>Turkish Psychological Association</i>	2014
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### **Funding / Research Support (Principal Investigator or Co-Investigator)**

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The Scientific and Technological Research Council of Türkiye (122K186) (1002-Short Term R&D Funding Program) <i>Title: Investigating the Effects of Magnitude Space Based Numerical Working Memory Loads on the SNARC Effect</i> <i>Under Different Number Judgment Tasks</i> <i>Role: Co-Investigator</i>	2022 -
İzmir University of Economics Scientific Research Project Grant (BAP2019-15)	2020 -

2022

*Title: An Investigation of Space-Size Association in the Context of Long-Term Memory Representations*

*Role: Research Assistant*

İzmir University of Economics Scientific Research Project Grant (BAP2018-11) 2018 - 2020

*Title: Validity and Reliability of the n-back Task as a Working Memory Task*

*Role: Research Assistant*

### **Manuscripts in Progress**

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Bulut, M., Hepdarcan, I., Palaz, E., Çetinkaya, H. & Dural, S. (under review). No SNARC effect among left-to-right readers: Revisiting the reading and finger counting direction accounts. *Quarterly Journal of Experimental Psychology* (Submission ID: QJE-STD-22-332).

Zebil, B., Gökçe, N., Dutak, N., Hepdarcan, I. & Kocak, A. (under review). Attachment security and peer pressure among Turkish university students: A mediation role of rejection sensitivity. *Journal of Child and Family Studies* (Submission ID: JCFS-D-21-00947).

### **Peer-Reviewed Publications**

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Hepdarcan, I., Bulut, M., Palaz, E., Can, S., & Dural, S. (2021). The distance effect on discrimination ability and response bias during magnitude comparison in a go/no-go task. *Attention, Perception & Psychophysics*. DOI: 10.3758/s13414-021-02274-5.

### **Selected Conference Presentations**

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Bulut, M., Hepdarcan, I., Palaz, E., Çetinkaya, H., & Dural, S. (October, 2022). *The SNARC effect: Can reading direction and finger counting habits explain the spatial-numerical associations?* 21th National Congress of Psychology, İstanbul, Turkey.

Gören, B. Ş., Fidan, B., Bağcı, B., Gedik, S., Kayaanıt, B. E., Süel, S., Tosun, C., Hepdarcan, I., & Can, S. (October, 2022). *The effects of positive, negative, and neutral facial expressions on short-term memory performance.* 21th National Congress of Psychology, İstanbul, Türkiye.

Tükel, Ş., Aktan, R., Hepdarcan, I., Can, S., & Özaevli, S. (July, 2020). *Prefrontal cortex hemodynamic responses during cognitive tasks in patients with Chronic Obstructive Pulmonary Disease (COPD).* 12th Federation of European Neuroscience Societies, Glasgow, UK (Virtual Forum).

Dural, S., Bulut, M., Palaz, E., & Hepdarcan, I., & Can, S. (July, 2020). *The distance effect in a response inhibition task.* 32nd International Congress of Psychology, Prague, Czech Republic.

Tükel, Ş., Aktan., R., Hepdarcan, I., & Can, S. (October, 2019). *Prefrontal cortex hemodynamic responses during cognitive tasks in patients with COPD: Presentation of preliminary data*. 41st National Congress Respiration, Bodrum, Turkey.

Hepdarcan-Sezen, I., Can, S., Alankuş, G., & Çetinkaya, H. (July, 2018). *The reliability of hemodynamic measures obtained via functional near infrared spectroscopy (fNIRS) by using n-back task*. International Neuropsychological Society 2018 Mid-Year Meeting, Prague, Czech Republic.

Hepdarcan-Sezen, I., Can, S., Alankuş, G., & Çetinkaya, H. (July, 2017). *Gender-specific hemodynamic measures obtained via functional near infrared spectroscopy (fNIRS) by using n-back task*. 20th Conference of the European Society for Cognitive Psychology, Potsdam, Germany.

Hepdarcan-Sezen, I., Can, S., Alankuş, G., & Çetinkaya, H. (July, 2017). *The reliability of hemodynamic measures obtained via functional near infrared spectroscopy (fNIRS) by using n-back task*. 15th European Congress of Psychology, Amsterdam, The Netherlands.

Hepdarcan-Sezen, I., Can, S., Alankuş, G., & Çetinkaya, H. (July, 2017). *Gender-specific hemodynamic measures obtained via functional near infrared spectroscopy (fNIRS) by using n-back task*. 15th European Congress of Psychology, Amsterdam, The Netherlands.

Hepdarcan, I., Can, S., & Çetinkaya, H. (September, 2016). *Validity and Reliability of the hemodynamic measures obtained via fNIRS- functional near infrared spectroscopy using the n-back task*. 19th National Congress of Psychology, İzmir, Turkey.

Çetinkaya, H., Hepdarcan, I., İçağası, B., & Palaz, E. (June, 2014). *A search for cognition in nonhuman animals*. 19th National Congress of Psychology Students, Samsun, Turkey.

Barutçuoğlu, C., Hepdarcan, I., Toprak, N., Mert, S., & Dönmez, Y. (July, 2012). *The effects of disgust and anger on aggressive behavior and facial expression detection*. 17th National Congress of Psychology Students, İstanbul, Türkiye.

Hepdarcan, I., Can, B., Oğan, İ., Özgören, S., & Toran, T. (September, 2011). *Can't take my eyes off of you: Investigating female physical attractiveness with attentional adhesion paradigm*. V. Congress of Psychology Graduate Students, İstanbul, Turkey.

#### **Invited Seminars, Talks & Colloquia**

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*A search for cognition in nonhuman animals*

2013

*İzmir University of Economics (PSY 451 Applied Workshop on Psychology I)*