

The effects of sleep quality, sleepiness, fatigue, and psychological resilience on attention performance

Hasan Demirci, Yıldız Bilge, Lütfiye Söğütö, Hanife Merve Çatan, Ölkü Tankut Yıldırım

Department of Psychology, University of Health Sciences, Istanbul, Turkey

Neuropsychiatría / Neuropsychologia 2023; 18, 3–4: 127–136

Address for correspondence:

Hasan Demirci, PhD
Department of Psychology
University of Health Sciences
34668, Istanbul, Turkey
phone: +902564189666
e-mail: pskhasandemirci@gmail.com

Abstract

Introduction: The aim of the study was to examine the relationships between sleep quality, sleepiness, fatigue, resilience, and attention parameters in a sample consisting of university students.

Material and methods: The study involved 123 university students aged between 18 and 33 years. A socio-demographic data form, the Pittsburgh Sleep Quality Index (PSQI), Epworth Sleepiness Scale (ESS), Fatigue Severity Scale (FSS), Depression, Anxiety, and Stress Scale (DASS-21), and the Brief Resilience Scale (BRS) were administered to the participants. Attention assessment was conducted using the Cognitron (COG), Signal Detection (SIGNAL), Inhibition (INHIB), and Perception and Attention Functions Battery, part of the computer-based Vienna Test System (VTS).

Results: Out of all the participants, 77.2% were female, and 22.8% were male, with an average age of 21.53 (SD = 2.54) years. A positive correlation was found between COG-Corrects and PSQI scores, and COG-Incorrects and DASS-Stress. There was a negative correlation between SIGNAL-Corrects and FSS. No correlation was revealed among sleep quality, sleepiness, fatigue, resilience variables, and reaction inhibition or divided attention. Furthermore, multiple regression analysis indicated that attention scores were predicted only by sleep quality and fatigue severity.

Conclusions: Based on the study's findings, it is conceivable that situational factors such as sleep quality, sleepiness, and fatigue have a more significant impact on attention compared with constant variables such as depression, anxiety, stress, and resilience.

Key words: Vienna Test System, attention, fatigue, sleepiness, resilience.

Introduction

Attention is a primary and complex cognitive function that refers to the frontage and focus of mental resources on a stimulus. Simultaneously, it represents turning towards a stimulus while disregarding others (Posner *et al.* 2016). Attention is separated into four types: selective, sustained, executive, and divided. Selective attention refers to the capacity to focus on a particular stimulus while disregarding other distracting stimuli. Divided attention is the ability to deal with multiple stimuli simultaneously, and executive attention ensures that attention is maintained (Rueda *et al.* 2023). Sustained attention requires long-term focus on a stimulus and is regarded as a concept associated with alertness (Cohen 2013). According to contemporary theories, attention is a system that consists of

multiple brain networks with interrelated but distinct functions (Fisher 2019). Spikman and van Zomeren (2010) stated that attention has two general dimensions, selectivity and intensity; they also refer in their articles to the Vienna Test System (VTS), which is a computer-based application used in the assessment of sustained attention, focused/selective attention, and divided attention (Spikman and van Zomeren 2010).

Although attention is a parameter that multiple psychological factors can impact, there has been more focus on how specific psychological processes such as sleep, fatigue, and psychopathological processes (e.g., depression, anxiety) affect attention. Sleep has a restorative function in human life and is essential for physiologic and circadian rhythms. Quantitative and qualitative shifts in sleep influence multiple systems (Bryant

Sleep Sleepiness And Performance

DP Hallahan



Sleep Sleepiness And Performance:

Yeah, reviewing a ebook **Sleep Sleepiness And Performance** could be credited with your near friends listings. This is just one of the solutions for you to be successful. As understood, achievement does not suggest that you have wonderful points.

Comprehending as competently as deal even more than extra will offer each success. next-door to, the message as skillfully as perception of this Sleep Sleepiness And Performance can be taken as well as picked to act.

https://archive.kdd.org/public/uploaded-files/fetch.php/The_Baroque_Poem_A_Comparative_Survey_Together_With_150_Illustrative_Texts.pdf

Table of Contents Sleep Sleepiness And Performance

1. Understanding the eBook Sleep Sleepiness And Performance
 - The Rise of Digital Reading Sleep Sleepiness And Performance
 - Advantages of eBooks Over Traditional Books
2. Identifying Sleep Sleepiness And Performance
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Sleep Sleepiness And Performance
 - User-Friendly Interface
4. Exploring eBook Recommendations from Sleep Sleepiness And Performance
 - Personalized Recommendations
 - Sleep Sleepiness And Performance User Reviews and Ratings
 - Sleep Sleepiness And Performance and Bestseller Lists
5. Accessing Sleep Sleepiness And Performance Free and Paid eBooks
 - Sleep Sleepiness And Performance Public Domain eBooks

- Sleep Sleepiness And Performance eBook Subscription Services
- Sleep Sleepiness And Performance Budget-Friendly Options
- 6. Navigating Sleep Sleepiness And Performance eBook Formats
 - ePub, PDF, MOBI, and More
 - Sleep Sleepiness And Performance Compatibility with Devices
 - Sleep Sleepiness And Performance Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Sleep Sleepiness And Performance
 - Highlighting and Note-Taking Sleep Sleepiness And Performance
 - Interactive Elements Sleep Sleepiness And Performance
- 8. Staying Engaged with Sleep Sleepiness And Performance
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Sleep Sleepiness And Performance
- 9. Balancing eBooks and Physical Books Sleep Sleepiness And Performance
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Sleep Sleepiness And Performance
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Sleep Sleepiness And Performance
 - Setting Reading Goals Sleep Sleepiness And Performance
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Sleep Sleepiness And Performance
 - Fact-Checking eBook Content of Sleep Sleepiness And Performance
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Sleep Sleepiness And Performance Introduction

Sleep Sleepiness And Performance Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Sleep Sleepiness And Performance Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Sleep Sleepiness And Performance : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Sleep Sleepiness And Performance : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Sleep Sleepiness And Performance Offers a diverse range of free eBooks across various genres. Sleep Sleepiness And Performance Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Sleep Sleepiness And Performance Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Sleep Sleepiness And Performance, especially related to Sleep Sleepiness And Performance, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Sleep Sleepiness And Performance, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Sleep Sleepiness And Performance books or magazines might include. Look for these in online stores or libraries. Remember that while Sleep Sleepiness And Performance, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Sleep Sleepiness And Performance eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Sleep Sleepiness And Performance full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Sleep Sleepiness And Performance eBooks, including some popular titles.

FAQs About Sleep Sleepiness And Performance Books

What is a Sleep Sleepiness And Performance PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Sleep Sleepiness And Performance PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Sleep Sleepiness And Performance PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Sleep Sleepiness And Performance PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Sleep Sleepiness And Performance PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Sleep Sleepiness And Performance :

the baroque poem a comparative survey together with 150 illustrative texts

the art of the tin toy

the art of naming

the artifice of ethics the moorhouse lectures

the ball follett beginning to read

the baptism and the toilet

the atavist tarot

the art of war a wardell brown sketchbook

the art of mental wellbeing

the baby deal presents

~~the augmented agent and other stories~~

the art theater

the ballet of the second empire

the basic practice of statistics with cdrom

the authority of the bible

Sleep Sleepiness And Performance :

Selves At Risk: Patterns of Quest... by Hassan, Ihab They test spirit, flesh, marrow, and imagination in a timeless quest for meaning beyond civilization, at the razor edge of mortality. And they return with sun- ... Selves At Risk: Patterns of Quest in Contemporary ... Selves At Risk: Patterns of Quest in Contemporary American Letters (Wisconsin Project on American Writers) ; ISBN: 9780299123703 ; Pages: 246 ; About the Author. Selves at Risk: Patterns of Quest in Contemporary ... Selves at Risk: Patterns of Quest in Contemporary American Letters (The Wisconsin Project on American Writers) ... Select Format. Hardcover - \$22.95. Selves At Risk: Patterns of Quest in Contemporary ... Selves At Risk: Patterns of Quest in Contemporary American Letters · Hardcover - Buy New · Hardcover - Buy New · Overview · Product Details · Product Details · About ... Selves at Risk: Patterns of Quest in Contemporary ... Selves at Risk: Patterns of Quest in Contemporary American Letters. By Ihab Hassan. About this book · Get Textbooks on Google Play. Ihab Hassan, Selves at Risk: Patterns of Quest in ... by J Durczak · 1991 — Ihab Hassan, Selves at Risk: Patterns of Quest in Contemporary American Letters (Madison: The University of Wisconsin Press, 1990). Pp. 232. ISBN 0 299 ... Selves At Risk: Patterns of Quest in Contemporary American ... Item Number. 265553642022 ; Brand. Unbranded ; Book Title. Selves At Risk: Patterns of Quest in Contemporary American Lette ; Accurate description. 4.9 ; Reasonable ... Ihab Hassan, Selves at Risk: Patterns of Quest in ... by J Durczak · 1991 — Ihab Hassan, Selves at Risk: Patterns of Quest in Contemporary American 'Letters. (Madison: The University of Wisconsin Press, 1990). Pp. 232. ISBN o 299 ... Selves at Risk : Patterns of Quest in Contemporary American ... Item Number. 386051088530 ;

Book Title. Selves at Risk : Patterns of Quest in Contemporary American Letters ; ISBN. 9780299123703 ; Accurate description. 4.9. Holdings: Selves at risk : :: Library Catalog Search - Falvey Library Selves at risk : patterns of quest in contemporary American letters /. Bibliographic Details. Main Author: Hassan, Ihab Habib, 1925-. Format: Book. Essentials of Strength Training and Conditioning, 4ed Developed by the National Strength and Conditioning Association (NSCA) and now in its fourth edition, Essentials of Strength Training and Conditioning is the ... Essentials of Strength Training and Conditioning Developed by the National Strength and Conditioning Association (NSCA) and now in its fourth edition, Essentials of Strength Training and Conditioning is ... Essentials of Strength Training and Conditioning 4th ... Developed by the National Strength and Conditioning Association (NSCA) and now in its fourth edition, Essentials of Strength Training and Conditioning is ... NSCA Store The NSCA Store offers the gear you need for your career as a fitness professional. Purchase apparel, educational books and resources, official NSCA ... NSCA -National Strength & Conditioning Association Top NSCA - National Strength & Conditioning Association titles ; Essentials of Strength Training and Conditioning ... NSCA NSCA's Certified Strength and Conditioning Specialist (CSCS) 4th Edition Online Study/CE Course Without Book.. (6). \$199.00 USD. Unit price /. BASICS OF STRENGTH AND CONDITIONING MANUAL by WA Sands · Cited by 53 — to the “Essentials of Strength Training and Conditioning” (3rd ed.) textbook (1). Through various reactions within the body, an intermediate molecule called ... Essentials of Strength Training and Conditioning - NSCA Developed by the National Strength and Conditioning Association (NSCA) and now in its fourth edition, Essentials of Strength Training and Conditioning is ... national strength conditioning association Exercise Technique Manual for Resistance Training-2nd Edition by NSCA -National Strength & Conditioning Association and a great selection of related books, ... Unit 19 Motor Controls Flashcards HVAC Unit 19 Review Questions and Review Test. Learn with flashcards, games, and more — for free. Unit 19 Motor controls Flashcards Study with Quizlet and memorize flashcards containing terms like The recommended repair for a defective relay is to, What components can be changed on a ... Section 4: Electric Motors Unit 19: Motor Controls - Studylib Section 4: Electric Motors Unit 19: Motor Controls Objectives • After studying this unit, you should be able to: - Describe the differences between a relay, ... SECTION 4 ELECTRIC MOTORS UNIT 19 ... List the basic components of a contactor and starter. •. Compare two types of external motor overload protection. •. Describe conditions that must be considered ... Unit 19 Motor Controls Quizlet 5 days ago — Unit 19 Motor Controls Quizlet. Electric Motor Control - 10th Edition - Solutions and Answers | Quizlet Find step-by-step solutions and ... SECTION 4 ELECTRIC MOTORS UNIT 19 ... Jun 1, 2012 — SECTION 4 ELECTRIC MOTORS UNIT 19 MOTOR CONTROLS. UNIT OBJECTIVES. Describe the differences between relays, contactors and starters Explain ... Electrical Instructor Answer Keys The answer keys available from this page are for electrical instructors and trainers who have purchased a Classroom Set of Mike Holt textbooks. Unit 19 Review Unit 19 Review quiz for University students. Find other quizzes for Specialty and more on Quizizz for free! Ebook free Legality of space militarization [PDF] Jun

16, 2023 — unit 19 motor controls answers. 2023-06-16. 7/14 unit 19 motor controls answers us technological capability its satellite program provided the ...