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anthropometry refers to the measurement of the human individual objective of the study the study is to determine the comparative study on selected anthropometric variables and motor abilities between women kho kho and kabaddi players of hyderabad district hypothesis there may not be any significant difference between the women kho kho players and kabaddi players of hyderabad district in relation to anthropometric variables and motor abilities methods materials a total of fifty 50 subjects were randomly chosen for this study out of 50 players 25 players were from kho kho and 25 from kabaddi from hyderabad district result and dissussio from mean sd of height of kabaddi and kho kho players were respectively 156 12 3 90 and 156 32 3 90 and the calculated t value 0 85 the mean sd of weight of kabaddi and kho kho players were respectively 51 64 5 87 and 51 4 10 and the calculated t value 0 65 the mean sd of arm length for kabaddi players were 71 24 4 10 and kho kho players were 71 88 4 58 respective mean difference 0 64 standard error 4 60 leg length of the mean sd of kabaddi players were 90 92 6 56 and kho kho players were 91 72 6 71 mean difference 0 80 standard error 6 14 the mean sd of amse sit ups for kabaddi players were 32 48 6 08 and kho kho players were 32 40 5 51 respective mean difference 0 08 standard error 5 98 and the calculated t value

0.96 les sbj of the mean sd of kabaddi players were 2.03 0.21 and kho kho players were 2.06 0.23 mean difference 0.02 standard error 0.22 and the calculated t value 0.66 speed 50 yrd of the mean sd of kabaddi players 8.63 0.54 and kho kho were 7.96 0.52 mean difference 0.66 standard error 0.53 and the calculated t value 0.545 the mean sd of agility st run of kabaddi players and kho kho players were respectively 9.67 0.45 and 9.35 0.60 and the calculated t value 0.04 conclusionbased on the results of the present study have highlight anthropometric and fitness variables of kho kho and kabaddi players the following recommendations are made on the basis of the results from the study which may be useful for the future research work

pt 1 considers s 2880 and companion h r 14905 to authorize appropriations for aec focuses on general budget and reactor development program pt 2 continuation of hearings on aec fy69 authorization appendix includes reports a national accelerator laboratory design report 1968 universities research associates prepared by aec 1968 p 1223 1456 b report of ad hoc panel on low beta toroidal plasma research sept 1967 p 1459 1583 c bronco oil shale study prepared by aec interior dept cer geonuclear corp and lawrence radiation laboratory oct 13 1967 p 1743 1813

this update to sat wars provides new evidence in the case against standardized college entry tests including the experiences of test optional colleges the scandal of standardized tests sheds significant light on key problems such as are the tests stronger proxies for race and family income today than they were 20 years ago does going test optional promote racial and economic diversity are there any differences in academic records between students admitted without test scores and those with them how does testing figure into race sensitive admissions legal controversies why is the college board s environmental dashboard inadequate as a way to create a fair playing field

how are the odds of attending and graduating from college stacked against low income youths and racial minorities what does the fbi varsity blues sting tell us about college admissions in america book features provides 25 years of data on california showing how the correlation of test scores with race has grown over time while their predictive powers have declined shows how the disparate results of sat act scores by race provide grounds for a constitutional challenge to the use of those tests provides an overview of our current national situation regarding college applications attendance and graduation rates according to family income and college major offers a devastating critique of the college board s adversity index includes a national balance sheet on the experiences of test optional colleges

this book examines scholarship best practice methodologies and examples of policy and practice from various professional fields in education and psychology to illuminate the elevated emphasis on test fairness in the 2014 standards for educational and psychological testing together the chapters provide a survey of critical and current issues with a view to broadening and contextualizing the fairness guidelines for different types of tests test takers and testing contexts researchers and practitioners from school psychology clinical counseling psychology industrial organizational psychology and education will find the content useful in thinking more acutely about fairness in testing in their work the book also has chapters that address implications for policy makers and in some cases the public these discussions are offered as a starting point for future scholarship on the theoretical empirical and applied aspects of fairness in testing particularly given the ever increasing importance of addressing equity in testing

for purposes of accreditation resource sharing and institutional mission librarians need to assess the strengths of their

collections in particular subject areas this book describes and illustrates a brief test for determining a library's collection strength though such tests are most often employed in academic libraries the methodology outlined by the author should be useful to all types of libraries in assessing the strength of their holdings in a time of increasing material and limited resources libraries need to be particularly judicious in deciding which works to acquire oftentimes a library seeks to develop strong holdings in one or more subject areas such an approach is especially useful for libraries that share their resources with other institutions to plan their acquisitions carefully and to be of greatest use to other consortia members a library needs to gauge the strength of its holdings accurately this volume describes and illustrates a relatively brief test to assign libraries a score for existing collection strength in a subject area drawing upon expert human judgment and holdings data available from oclc the test can assist librarians in setting and verifying collection levels on the rlg or wln conspectus scales collection strength is often verified in a labor intensive fashion the brief test presented by the author is an economical alternative to the more typical labor intensive approach to collection analysis

incorporating hc 370

the book is a comprehensive treatment of the application of geotechnical engineering to site selection site exploration design operation and closure of mine waste storage facilities the level and content are suitable as a technical source and reference for practising engineers engaged both in the design and operational management of mine waste s

pt 1 considers s 2416 and companion h r 12167 appendix includes aec report analysis of proposed bill for authorization of appropriations under section 261 of atomic energy commission act of 1955 as amended fy70 apr 15

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the purpose of this thesis is to develop new hybrid admission decision prediction models by using different machine learning methods including support vector machines svm multilayer perceptron mlp radial basis function rbf network treeboost tb and k means clustering kmc combined with feature selection algorithms to investigate the effect of the predictor variables on the admission decision of a candidate to the school of physical education and sports at cukurova university three feature selection algorithms including relief f f score and correlation based feature selection cfs have been considered experiments have been conducted on the datasets which contain data of participants who applied to the school in 2006 and 2007 the datasets have been randomly split into training and test sets using 10 fold cross validation as well as different percentage ratios the performance of the prediction models for the datasets has been assessed using classification accuracy specificity sensitivity positive predictive value ppv and negative predictive value npv the results show that a decrease in the number of predictor variables in the prediction models usually leads to a parallel decrease in classification accuracy

cricket is a sport which is currently undergoing a rapid and dramatic transformation traditionally thought of as an

english summer game limited in appeal to britain and its commonwealth cricket has in the past a few years achieved a global profile this is largely due to the development of a new tv friendly format of the game twenty20 cricket indeed through the economic and media interests promoting the indian premier league ipl the world s richest twenty20 tournament cricket has belatedly gone global the rapid rise of the ipl underlines that the economic and political characters within cricket are no longer the traditional elites in metropolitan centres but the businessmen of india and the media entrepreneurs world wide who seek to shape new audiences for the game and create new marketing opportunities on a global scale the contributions in this book fall into two broad categories there are firstly those which explore the rapid growth of twenty20 particularly the motors of change and the new directions that cricket is taking as a result of the twenty20 revolution secondly there are a number of contributions which chart the impact of twenty20 on traditional elements of the game this book was originally published as a special issue of sport in society

composite materials have aroused a great interest over the last few decades as proven by the huge number of scientific papers and industrial progress the increase in the use of composite structures in different engineering practices justify the present international meeting where researches from every part of the globe can share and discuss the recent advancements regarding the use of structural components within advanced applications such as buckling vibrations repair reinforcements concrete composite laminated materials and more recent metamaterials studies about composite structures are truly multidisciplinary and the given contributions can help other researches and professional engineers in their own field this conference is suitable as a reference for engineers and scientists working in the professional field in the industry and the academia and it gives the possibility to share recent

advancements in different engineering practices to the outside world this book aims to collect selected plenary and key note lectures of this international conference for this reason the establishment of this 20th edition of international conference on composite structures has appeared appropriate to continue what has been begun during the previous editions iccs wants to be an occasion for many researchers from each part of the globe to meet and discuss about the recent advancements regarding the use of composite structures sandwich panels nanotechnology bio composites delamination and fracture experimental methods manufacturing and other countless topics that have filled many sessions during this conference as a proof of this event which has taken place in paris france selected plenary and key note lectures have been collected in the present book

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Do Penguins Live in the North or South Pole?

Penguins are flightless birds renowned for their waddle and remarkable adaptations to cold, aquatic environments. A common question regarding these fascinating creatures is their geographical distribution: do they inhabit the North Pole or the South Pole? This article will explore the answer to this question, clarifying their habitat and dispelling any misconceptions.

The Antarctic Home: Penguins and the South Pole

The definitive answer is that penguins live almost exclusively in the Southern Hemisphere. While there are exceptions with some species inhabiting subantarctic islands far north of the Antarctic Circle, none are found naturally in the Arctic (North Pole) region. The vast majority of penguin species thrive in the frigid conditions of Antarctica and its surrounding islands. This is not a coincidence; their evolutionary history and physiological adaptations are tightly linked to the Southern Hemisphere's unique environment.

Why the South, Not the North?

Several factors contribute to the penguins' exclusive presence in the South: Evolutionary History: Penguins evolved in the Southern Hemisphere, millions of years ago. Their ancestors diverged from other bird lineages long before the continents drifted to their current positions. Therefore, their evolutionary trajectory is deeply rooted in the Southern Hemisphere's ecosystems. Prey Availability: The Southern Ocean, surrounding Antarctica, boasts a rich abundance of krill, squid, and fish □ the staple diet of penguins. The Arctic Ocean, while also rich in marine life, has a different composition and distribution of prey species that penguins are not adapted to effectively hunt. Climate and Ice: The Antarctic climate, with its vast expanse of sea ice and icy landmasses, provides critical breeding grounds and protection for penguins. The Arctic, while possessing sea ice, experiences a different type of sea ice formation and seasonal variability that does not perfectly align with penguin breeding cycles and survival strategies. The presence of polar bears in the Arctic also poses a significant threat absent in the Antarctic. Lack of Competitors and Predators (in Antarctica): The relatively less diverse terrestrial fauna in Antarctica reduces competition for resources and minimizes predation on penguin eggs and chicks. The Arctic, conversely, presents a much higher level of competition and predation risk from terrestrial mammals like polar bears and foxes.

Specific Examples of Penguin Habitats

To further illustrate the point, let's consider a few specific penguin species and their habitats: Emperor Penguins (*Aptenodytes forsteri*): These iconic birds breed exclusively on the Antarctic continent, facing some of the harshest weather conditions on Earth. Their survival is testament to their remarkable adaptations to the Antarctic environment. Ad lie Penguins (*Pygoscelis adeliae*): Another Antarctic specialist, Ad lie Penguins breed on the ice-free coastlines of the continent and surrounding islands. They are highly adapted to the harsh environment and show remarkable resilience in the face of climate change. Galapagos Penguins (*Spheniscus mendiculus*): As an exception that proves the rule, the Galapagos Penguins are the only species that lives north of the equator. They inhabit the Galapagos Islands, situated on the equator. However, even these penguins are found in a region with cool, nutrient-rich waters, mirroring the conditions of the Southern Ocean. Their presence emphasizes the importance of specific oceanographic factors rather than simply latitude.

Misconceptions about Penguins in the North

The absence of penguins in the Arctic often leads to confusion, resulting in misconceptions. Some people might mistakenly think penguins could survive in the Arctic due to its cold temperature. However, simply being cold is not enough. The specific characteristics of the Arctic ecosystem, from prey availability to the presence of predators and competition, make it unsuitable for penguin survival.

Summary

In conclusion, penguins are almost entirely restricted to the Southern Hemisphere. Their evolutionary history, dependence on specific prey species, and the unique environmental conditions of Antarctica and its surrounding islands are the primary reasons behind their absence from the Arctic. The Galapagos penguins, while an exception, highlight the influence of oceanographic conditions rather than latitude alone on their distribution. While the cold temperatures of both poles might seem superficially similar, the subtle yet crucial differences in these ecosystems determine the geographic range of these remarkable birds.

Frequently Asked Questions (FAQs)

1. Could penguins survive if introduced to the Arctic? While they could tolerate the cold, the lack of appropriate food sources, presence of predators (like polar bears), and competition would make survival unlikely. 2. Are there any penguins that live in warmer climates? Yes, the Galapagos penguin is an exception, living near the equator, but even they reside in a region with cool currents and abundant food sources. 3. What would happen if penguins were artificially introduced to the Arctic? It is highly improbable they would establish a breeding population due to the reasons mentioned above. 4. Why is there such a difference in the marine ecosystems of the Arctic and Antarctic? Ocean currents, ice formation patterns, and continental configurations create distinct environments with different nutrient cycles and prey species. 5. Are there any plans to introduce penguins to the Arctic? No, ethical

considerations and the near-certain failure of such an undertaking make this extremely unlikely. The focus is on protecting existing penguin populations in their natural habitats.

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