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| Autore | Maltman Alex |
| Titolo | Geological maps: An Introduction [[electronic resource] /] / by Alex Maltman |
| Pubbl/distr/stampa | Boston, MA : , : Springer US, , 1990 |
| ISBN | 1-4684-6662-3 |
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| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | 1 Some fundamentals of geological maps -- 1.1 Introduction -- 1.2 The topographic base map -- 1.3 Geological aspects -- 1.4 Summary chapter -- 1.5 Selected further reading -- 2 The nature of geological maps: the Ten Mile map of the UK and the 1: 2 500 000 map of the USA -- 2.1 Introduction: cartographic matters -- 2.2 Interpretation of the maps: geology and relief -- 2.3 Map patterns and geological structure -- 2.4 Conclusion -- 2.5 Summary of chapter -- 3 The three-dimensional aspect: structure contours -- 3.1 Introduction -- 3.2 The nature of structure contours -- 3.3 Examples of structure contours on maps -- 3.4 Structure contours derived from borehole/well information -- 3.5 Structure contours derived from topography: the theory -- 3.6 Structure contours derived from topography: the practice -- 3.7 Structure contours from topography and boreholes -- 3.8 Straight structure contours -- 3.9 Summary of chapter -- 3.10 Selected further reading -- 4 Measurements in three dimensions: strike and dip, formation thickness and depth -- 4.1 Introduction -- 4.2 Strike and dip -- 4.3 Apparent dip -- 4.4 Formation thickness -- 4.5 Formation depth -- 4.6 The ‘three-point’ method -- 4.7 Summary of chapter -- 4.8 Selected further reading -- 5 Geological cross-sections -- 5.1 Introduction -- 5.2 Line of section -- 5.3 Scale and vertical exaggeration -- 5.4 Manual drawing of cross-sections -- 5.5 Structure and stratigraphic sections -- 5.6 Three-dimensional diagrams -- 5.7 Summary of chapter -- 5.8 Selected further reading -- 6 Visual |

assessment of outcrop patterns -- 6.1 Introduction -- 6.2 Horizontal formation -- 6.3 Dipping formations -- 6.4 Vertical formations -- 6.5 Assessment of formation thickness -- 6.6 Summary of chapter -- 6.7 Exercises on visual assessment -- 7 Unconformities -- 7.1 Introduction -- 7.2 Terminology -- 7.3 Recognition on maps -- 7.4 Associated features -- 7.5 Use on maps -- 7.6 Palaeogeological maps -- 7.7 Summary of chapter -- 7.8 Selected further reading -- 8 Folds -- 8.1 Introduction -- 8.2 Description from maps -- 8.3 Visual assessment on maps -- 8.4 Measurements on maps -- 8.5 Summary of chapter -- 9 Faults: the fundamentals -- 9.1 Introduction -- 9.2 Fault parts, orientation and dimensions -- 9.3 Fault displacement -- 9.4 Classification of faults -- 9.5 Visual assessment on maps -- 9.6 Measurements on maps -- 9.7 Summary of chapter -- 10 More on faults: contraction (thrust), extension, and strike-slip faults -- 10.1 Introduction -- 10.2 Contraction (thrust) faults -- 10.3 Extension faults -- 10.4 Strike-slip faults -- 10.5 Summary of chapter -- 10.6 Selected further reading -- 11 Igneous and metamorphic rocks; mineral deposits -- 11.1 Introduction -- 11.2 Igneous rocks -- 11.3 Metamorphic rocks -- 11.4 Mineral deposits -- 11.5 Summary of chapter -- 11.6 Selected further reading -- 12 Geological history from maps -- 12.1 Introduction -- 12.2 Sedimentary successions -- 12.3 Deformed rocks -- 12.4 Non-sedimentary rocks -- 12.5 Reading a geological map -- 12.6 Writing a map report -- 12.7 Summary of chapter -- 13 The production of geological maps -- 13.1 Introduction -- 13.2 The field survey -- 13.3 Preparation of maps for publication -- 13.4 Map reports -- 13.5 Availability of maps -- 13.6 Conclusions -- 14 The heritage of geological maps -- 14.1 Introduction -- 14.2 A short history of geological maps -- 14.3 The contributions of some individuals -- 15 Current trends in geological maps -- 15.1 Introduction -- 15.2 New technologies in geologicam mps -- 15.3 New forms in geological maps -- 15.4 Specialised and thematic maps -- 15.5 Summary of chapter -- 15.6 Selected further reading -- References.

Sommario/riassunto

A recent national survey of geology students indicated that, In a subject so fundamental and yet so varied, every although they saw the need for a basic training in map- geologist will have his own views on geological maps - the work, the three-dimensional aspects involved formed the matters needing emphasis, the best methods of interpreta- single most difficult part of an introductory geology tion, good examples of maps, and so on. Instructors may course, and that it was generally taught in a way both ab- therefore urge in their taught courses different priorities stract and dull. At the same time, there was no book which from those given here, and, although a wide range of maps puzzled students could turn to for explanations; no book and map exercises is included, will prefer to continue to which told them more about real geological maps. This use their own 'pet' examples. But this is meant primarily to book is an attempt to fill that need. It is based on the view be a book for the student - to turn to for clarification, for that in these days of increasing specialisation the geological further information, and simply to learn a little more about map remains the vital coordinating document, and that the geological maps.

2. Record Nr. UNINA9910728931003321

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| Titolo | 5th EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing : BDCC 2022 / / edited by Anandakumar Haldorai, Arulmurugan Ramu, Sudha Mohanram |
| Pubbl/distr/stampa | Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023 |
| ISBN | 3-031-28324-4 |
| Edizione | [1st ed. 2023.] |
| Descrizione fisica | 1 online resource (221 pages) |
| Collana | EAI/Springer Innovations in Communication and Computing, , 2522-8609 |
| Disciplina | 170 |
| Soggetti | Telecommunication<br>Signal processing<br>Computer networks<br>Communications Engineering, Networks<br>Digital and Analog Signal Processing<br>Computer Communication Networks |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Part I. Bigdata Services -- Chapter 1. Modelling Cognitive Scores for Alzheimer's Disease Progression Prediction Using Longitudinal MRI D -- Chapter 2. Various Physiological Methods to Identify Sleep Onset -- Chapter 3. IoT Adoption: Challenges among Small and Medium Enterprises -- Chapter 4. Performance evaluation of Adaptive Neuro Fuzzy Inference System (ANFIS) for the prediction of Cloud Service Provider -- Part II. Bigdata and Security -- Chapter 5. Online Covid-19 Risk Analysis System for Early Detection of Possible Infection -- Chapter 6. Application of Multi focused and Multi Modal image fusion using Guided Filter on Bio-Medical Images -- Chapter 7. Experimental Comparative Analysis on Convolutional Neural Network (CNN) and Recurrent Neural Network (RNN) on Aspect Level Sentiment Analysis -- Part III. Bigdata Emerging Applications -- Chapter 8. Data hiding in binary images for secret and secure communication using decision tree -- Chapter 9. Private and Secure Blockchain-based mechanism for an Online Voting System -- Chapter 10. AI-Enabled Pregnancy Risk |

Monitoring and Prediction: A Review -- Chapter 11. Finger Knuckle Print Recognition using Complex Conjugate Feature Vector -- Part IV. Bigdata and Technology -- Chapter 12. What Your Tweets Say about You – A case study of Extraversion and word usage -- Chapter 13. An Automated Cervical Cancer Detection mechanism using Pap smear images -- Chapter 14. A Systematic Literature Review on Data Freshness for reinforcing mutual authentication in Wireless Body Area Networks -- Chapter 15. Detection of Non-Technical Losses in Power Utilities Using Machine Learning -- Part V. Bigdata in Medical Applications -- Chapter 16. A Novel Real Time 3D Object Detection Network in Autonomous Driving using reformed rs-resnet network -- Chapter 17. Solar radiation prediction using the random forest regression algorithm -- Chapter 18. Vehicular Support System for User and Vehicle Accident Prevention.

Sommario/riassunto

This book features the proceedings of the 5th EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing (BDCC 2022). The papers feature detail on cognitive computing and its self-learning systems that use data mining, pattern recognition and natural language processing (NLP) to mirror the way the human brain works. This international conference focuses on technologies from knowledge representation techniques and natural language processing algorithms to dynamic learning approaches. Topics covered include Data Science for Cognitive Analysis, Real-Time Ubiquitous Data Science, Platform for Privacy Preserving Data Science, and Internet-Based Cognitive Platform.