1. Record Nr. UNINA990008894510403321

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| Titolo | Annales de chirurgie de la main et du membre superieur |
| Pubbl/distr/stampa | Paris, : Societe d'edition de l'Association d'enseignement medical des hopitaux de Paris |
| ISSN | 1153-2424 |
| Disciplina | 617.57<br>617.575 005 |
| Lingua di pubblicazione | Francese |
| Formato | Materiale a stampa |
| Livello bibliografico | Periodico |

2. Record Nr. UNINA9910411943803321

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| Autore | Midyett F. Allan |
| Titolo | Skull Base Imaging : The Essentials / / by F. Allan Midyett, Suresh K. Mukherji |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020 |
| ISBN | 3-030-46447-4 |
| Edizione | [1st ed. 2020.] |
| Descrizione fisica | 1 online resource (XXXVII, 377 p. 150 illus., 36 illus. in color.) |
| Disciplina | 616.804757<br>617.5140754 |
| Soggetti | Radiology<br>Nervous system - Radiography<br>Neuroradiology<br>Neuroradiologia<br>Base del crani<br>Llibres electrònics |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Section I: Pituitary Region -- Rathke's Cleft Cyst -- Pituitary Adenoma |

-- Craniopharyngioma -- Ectopic Neurohypohysis -- Hypothalamic Hamartoma -- Neurohypophyseal Sarcoidosis -- Intrasellar Arachnoid Cyst -- Langerhans Cell Histiocytosis -- Section II: Cerebellopontine Angle -- Epidermoid -- CPA Meningioma -- Vestibular Schwannoma -- CPA Arachnoid Cyst -- Section III: Anterior Cranial Fossa -- Anterior Fossa Meningioma -- Inverted Papilloma -- Juvenile Nasal Angiofibroma -- Neuroendocrine Carcinoma -- Nasofrontal Encephalocele -- Sinonasal Melanoma -- Nasal Dermoid -- Nasal Glioma -- Paranasal Sinus Mucocele -- Paranasal Sinus Cancer -- Osteoma -- Giant Cell Tumor -- Fibrous Dysplasia -- SNUC -- CSF Leaks -- Esthesioneuroblastoma. Section IV: Middle Cranial Fossa -- Jugular Foramen Paraganglioma -- Clivus Chordoma -- Lymphatic Malformations -- Allergic Fungal Sinusitis -- Basal Encephalocele -- Cavernous Sinus Aneurysm -- Cholesterol Granuloma Petrous Apex -- Skull Base Lymphoma -- Adenoid Cystic Carcinoma -- Aneurysmal Bone Cyst -- Trigeminal Schwannoma -- Section V: Craniovertebral Junction -- AOJ Dislocation -- Paget's Disease -- Section VI: Posterior Cranial Fossa [PCF] -- Posterior Fossa Arachnoid Cyst -- Posterior Fossa Meningioma -- Section VII: Inflammatory -- Skull Base Osteomyelitis -- Invasive Fungal Sinusitis -- Section VIII: Sarcomas -- Chondrosarcoma -- Ewings Sarcoma -- Fibrosarcoma -- Rhabdomyosarcoma -- Osteosarcoma -- Section IX: Anatomy -- Skull Base and Facial Foramina.

Sommario/riassunto

This book is a comprehensive guide to skull base imaging. Skull base is often a "no man's land" that requires treatment using a team approach between neurosurgeons, head and neck surgeons, vascular interventionalists, radiotherapists, chemotherapists, and other professionals. Imaging of the skull base can be challenging because of its intricate anatomy and the broad breadth of presenting pathology. Although considerably complex, the anatomy is comparatively constant, while presenting pathologic entities may be encountered at myriad stages. Many of the pathologic processes that involve the skull base are rare, causing the average clinician to require help with their diagnosis and treatment. But, before any treatment can begin, these patients must come to imaging and receive the best test to establish the correct diagnosis and make important decisions regarding management and treatment. This book provides a guide to neuoradiologists performing that imaging and as a reference for related physicians and surgeons. The book is divided into nine sections: Pituitary Region, Cerebellopontine Angle, Anterior Cranial Fossa, Middle Cranial Fossa, Craniovertebral Junction, Posterior Cranial Fossa, Inflammatory, Sarcomas, and Anatomy. Within each section, either common findings in those skull areas or different types of sarcomas or inflammatory conditions and their imaging are detailed. The anatomy section gives examples of normal anatomy from which to compare findings against. All current imaging techniques are covered, including: CT, MRI, US, angiography, CT cisternography, nuclear medicine and plain film radiography. Each chapter additionally includes key points, classic clues, incidence, differential diagnosis, recommended treatment, and prognosis. Skull Base Imaging provides a clear and concise reference for all physicians who encounter patients with these complex and relatively rare maladies. .

3. Record Nr. UNINA9910616381603321

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| Autore | Awange Joseph L. <1969-> |
| Titolo | Applications of Linear and Nonlinear Models : Fixed Effects, Random Effects, and Total Least Squares / / by Erik W. Grafarend, Silvelyn Zwanzig, Joseph L. Awange |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022 |
| ISBN | 9783030945985<br>3030945987 |
| Edizione | [2nd ed. 2022.] |
| Descrizione fisica | 1 online resource (1127 pages) |
| Collana | Springer Geophysics, , 2364-9127 |
| Disciplina | 550<br>550.015118 |
| Soggetti | Geology<br>Algebras, Linear<br>Statistics<br>Surveying<br>Linear Algebra<br>Statistical Theory and Methods<br>Geofísica<br>Models lineals (Estadística)<br>Models matemàtics<br>Llibres electrònics |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | The First Problem of Algebraic Regression -- The First problem of probabilistic regression - the bias problem -- The second problem of algebraic regression - inconsistent system of linear observational equations -- The second problem of probabilistic regression- special Gauss-Markov model without datum defect - Setup of BLUUE for the moments of first order and of BIQUUE for the central moment of second order -- The third problem of probabilistic regression - special Gauss - Markov model with datum problem -Setup of BLUMBE and BLE for the moments of first order and of BIQUUE and BIQE for the central moment |

of second order.

Sommario/riassunto

This book provides numerous examples of linear and nonlinear model applications. Here, we present a nearly complete treatment of the Grand Universe of linear and weakly nonlinear regression models within the first 8 chapters. Our point of view is both an algebraic view and a stochastic one. For example, there is an equivalent lemma between a best, linear uniformly unbiased estimation (BLUUE) in a Gauss–Markov model and a least squares solution (LESS) in a system of linear equations. While BLUUE is a stochastic regression model, LESS is an algebraic solution. In the first six chapters, we concentrate on underdetermined and overdetermined linear systems as well as systems with a datum defect. We review estimators/algebraic solutions of type MINOLESS, BLIMBE, BLUMBE, BLUUE, BIQUE, BLE, BIQUE, and total least squares. The highlight is the simultaneous determination of the first moment and the second central moment of a probability distribution in an inhomogeneous multilinear estimationby the so-called E-D correspondence as well as its Bayes design. In addition, we discuss continuous networks versus discrete networks, use of Grassmann–Plucker coordinates, criterion matrices of type Taylor–Karman as well as FUZZY sets. Chapter seven is a speciality in the treatment of an overjet. This second edition adds three new chapters: (1) Chapter on integer least squares that covers (i) model for positioning as a mixed integer linear model which includes integer parameters. (ii) The general integer least squares problem is formulated, and the optimality of the least squares solution is shown. (iii) The relation to the closest vector problem is considered, and the notion of reduced lattice basis is introduced. (iv) The famous LLL algorithm for generating a Lovasz reduced basis is explained. (2) Bayes methods that covers (i) general principle of Bayesian modeling. Explain the notion of prior distribution and posterior distribution. Choose the pragmatic approach for exploring the advantages of iterative Bayesian calculations and hierarchical modeling. (ii) Present the Bayes methods for linear models with normal distributed errors, including noninformative priors, conjugate priors, normal gamma distributions and (iii) short outview to modern application of Bayesian modeling. Useful in case of nonlinear models or linear models with no normal distribution: Monte Carlo (MC), Markov chain Monte Carlo (MCMC), approximative Bayesian computation (ABC) methods. (3) Error-in-variables models, which cover: (i) Introduce the error-in-variables (EIV) model, discuss the difference to least squares estimators (LSE), (ii) calculate the total least squares (TLS) estimator. Summarize the properties of TLS, (iii) explain the idea of simulation extrapolation (SIMEX) estimators, (iv) introduce the symmetrized SIMEX (SYMEX) estimator and its relation to TLS, and (v) short outview to nonlinear EIV models. The chapter on algebraic solution of nonlinear system of equations has also been updated in line with the new emerging field of hybrid numeric-symbolic solutions to systems of nonlinear equations, ermined system of nonlinear equations on curved manifolds. The von Mises–Fisher distribution is characteristic for circular or (hyper) spherical data. Our last chapter is devoted to probabilistic regression, the special Gauss–Markov model with random effects leading to estimators of type BLIP and VIP including Bayesian estimation. A great part of the work is presented in four appendices. Appendix A is a treatment, of tensor algebra, namely linear algebra, matrix algebra, and multilinear algebra. Appendix B is devoted to sampling distributions and their use in terms of confidence intervals and confidence regions. Appendix C reviews the elementary notions of statistics, namely random events and stochastic processes. Appendix D introduces the basics of Groebner basis algebra, its careful definition,

the Buchberger algorithm, especially the C. F. Gauss combinatorial algorithm.