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Heritability is one of the oldest parameters in genetics, but also one of the most misunderstood. The authors explore exactly what heritability means, the pitfalls to avoid when using it, and its continued relevance in the genomics era. Heritability allows a comparison of the relative importance of genes and environment to the variation of traits within and across populations. The concept of heritability and its definition as an estimable, dimensionless population parameter was introduced by Sewall Wright and Ronald Fisher nearly a century ago. Despite continuous misunderstandings and controve Volume 66. Advances in Genetics Edited by. Theodore Friedmann Department of Pediatrics University of California at San Diego School of Medicine, CA, USA. Jay C. Dunlap Department of Genetics Dartmouth Medical School Hanover, NH, USA. Stephen F. Goodwin Department of Physiology, Anatomy and Genetics University of Oxford Oxford, United Kingdom.Â V. Genetic Enhancement 62 Expected Underlying Functional Relationships Systematic Discovery of Genetic Enhancements Network Characteristics 71 Extracting Functional Relationships from Global Networks 76. 65 69. v. Start by marking â€œAdvances in Genetics, Volume 62â€ as Want to Read: Want to Read savingâ€¦ Want to Read.Â The field of genetics is rapidly evolving and new medical breakthroughs are occuring as a result of advances in knowledge gained from genetics research. This series continually publishes important reviews of the broadest interest to geneticists and their colleagues in affiliated disciplines. Get A Copy.