Reviewer's report

**Title:** Neural networks for genetic epidemiology: past, present, and future

**Version:** 1  **Date:** 19 April 2008

**Reviewer:** Jason Moore

**Reviewer's report:**

This is a well-written paper that covers the use of neural networks for genetic analysis. The field of genetic epidemiology is in desperate need of new data mining methods for addressing the complexity of the genotype to phenotype mapping relationship. Neural networks are a great place to start given their history and application in many fields including genetics. Thus, this review is both timely and important.

The primary way this paper could be improved is to provide some additional definitions of the jargon. This paper was submitted to a general biological data mining journal and not a genetics journal. It might be useful to provide a table of some genetic definitions for those not familiar with this area.

**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests