

Statistical Methodology

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- Supercomputer
- Mini-Me computer
- Apollo
- Computer scientists
- Mathematicians and Statisticians
- Molecular Biologists
- Epidemiologists
- Studies with needs that generate ideas

- MENDEL analyses of risk based on family data
- Machine learning expertise
- Supercomputer programming
- Twin and family analyses, including ICE FALCON
- Pipelines for genomic analyses
- Cohort analyses (Floating CIs, incorporating interim measures, modification by FRP/MD)

How Used

- Analysis of prospective data (BOADICEA, H Score and FRP; Floating confidence intervals)
- Analysis of GWAS, MWAS, and sequencing data
- Analysis of twin (and family) data
- New regression methods (LASSO, etc.)
- OPERA (Odds PER Adjusted standard deviation)

- Program new ideas, such as OPERA and ICE FALCON, in e.g. Stata
- Course(s) on new Regression methods
- Course(s) on FISHER, ICE FALCON and twin analyses
- Develop PEARSON (FISHER for binary data)