

Job Title: Data Analyst
Pay scale: 0.25FTE \$16,800/yr

Location: O'ahu, Maui, Molokai or Hawai'i Island

Project: *Recovering Hawaiian kalo and 'uala cultivar diversity and indigenous cropping systems knowledge: Indigenous approaches to climate resilience in agriculture and Hawaiian food sovereignty*

This position is an opportunity for someone interested in traditional Hawaiian food crops and production methods to participate in a project focused on the application of the Hawaiian lunar/celestial planting calendar and traditional practices on traditional Hawaiian food crops and their effects on yield and quality for kalo and 'uala. It is part of an ongoing project, engaged in expanding on lunar planting practice knowledge and crop cultivar diversity for kalo and 'uala in Hawai'i. This position may be based on any of the four participating islands.

The Data Analyst is a quarter-time position (10hrs/mo) continual for up to three years contingent upon satisfactory performance. Candidates must have access to a computer, Statistics Program, or similar program compatible with Excel, along with Excel spreadsheet software.

Project Director and Position supervisor: Penny Levin, Executive Director/Project Coordinator, E kūpaku ka 'āina

Interested applicants should send a resume, contact information, and provide 2-3 written examples of demonstrated proficiency in statistical analysis (see MQs below) and ability to interpret outcomes in laymen's terms, along with contact information for two references to:

Penny Levin pennysfh@hawaii.rr.com

Closing date: January 15, 2025

Duties and Responsibilities:

1. Reviews data collection sheets for compatibility with pilot project data.
2. Brings together and conducts statistical analysis of data gathered by Field Technicians on plant growth, vigor, yield, and quality from project demonstration plots and on participating farms at 3 month intervals and at harvest.
3. Collaborates with Project Director and other team members to analyze and interpret data.
4. Produces well-written research reports with data received explaining what took place scientifically and in layman terms, with an eye towards distinguishing what is climate and location (elev, soil type, rainfall etc) vs lunar response.
5. Communicates and coordinates activities with, and delivers analytical reports to Project Director and Project Manager in a timely manner.
6. Contributes to the development of reports and participates in project assessments, including collaborative evaluation with participating farmers in YR3.
7. Maintains and backs up data records.

The bulk of the work will be done during and after field data collection at 3 and 6 months, and at harvest, and in preparation for annual (September) and final reports (2027).

Minimum Qualifications (MQs):

1. Bachelor's degree from an accredited college.
2. At least two years of experience working in agriculture or natural resources statistics, or closely related field.
3. Demonstrated proficiency in and interpretation of Statistics Program or similar program, A-NOVA, Comparison on Mean, and complete randomized block design (Variance) analysis
4. Proficiency in Microsoft Office suite (Word, Excel, PowerPoint)
5. Excellent written and verbal communication skills
6. Excellent work ethic

Desirable Qualifications (DQs):

1. Experience with field research and data collection
2. Familiarity with Hawaiian kalo and 'uala growth patterns and production
3. Familiarity with Hawaiian moon phases and their application to agriculture
4. Familiarity with traditional Hawaiian crop varieties
5. Understanding of indigenous agricultural systems and practices
6. Ability to speak Hawaiian language
7. Experience working with Native Hawaiian communities
8. Interest in helping to revitalize Hawaiian agricultural traditions and crop cultivar diversity