Acceptance of the DEAME Application for Clinical Research
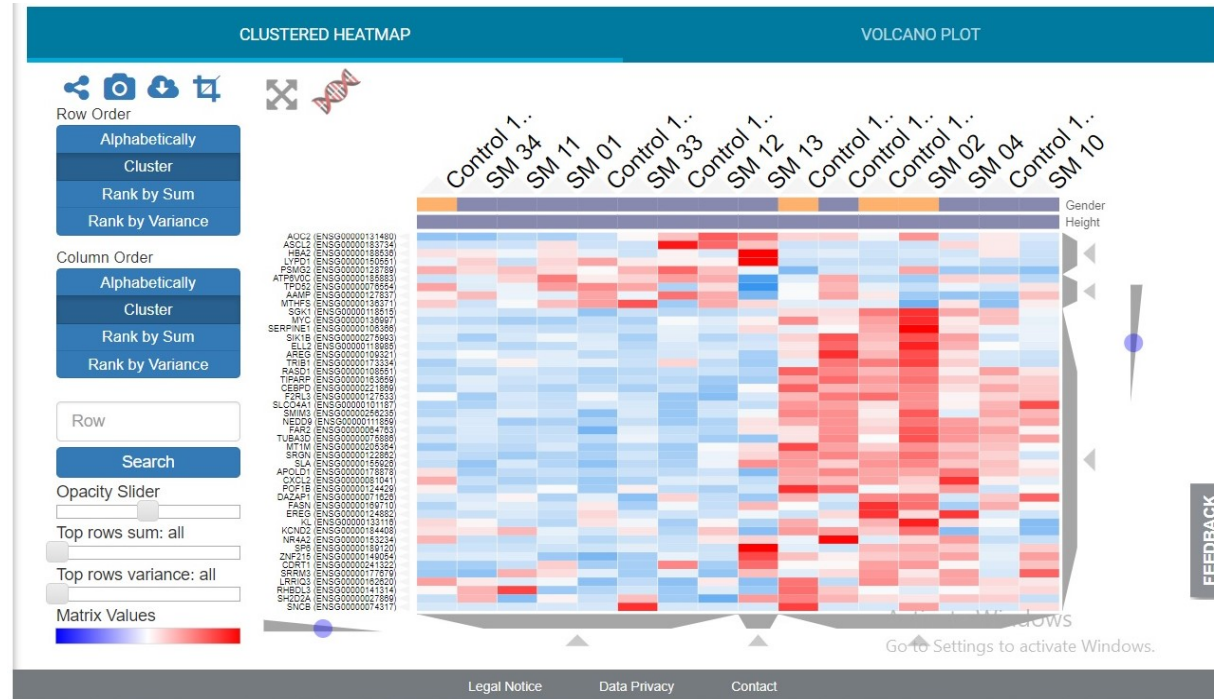
Acceptance of the DEAME Application for Clinical Research

Ahmad Bourazan

Chart **1**

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- What is differential gene expression?

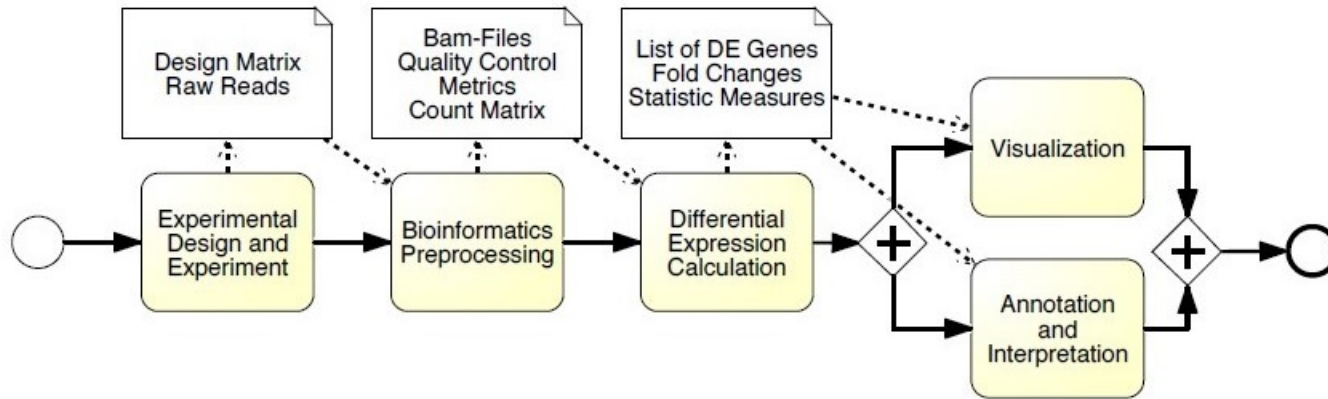- Why is Differential gene expression analysis important?

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- The Differential Expression Analysis Process

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- User Groups:

  o The Research oriented Clinician

  o The Computational Biologist

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- Software Requirements:

  o Automated Preprocessing

  o Pipeline Configuration Options

  o Split of Pipeline

  o State-of-the-art Tools

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- Software Requirements:

  o Clinical Information

  o Rapid Experimental Design Creation

  o Interactive Visualization of Results

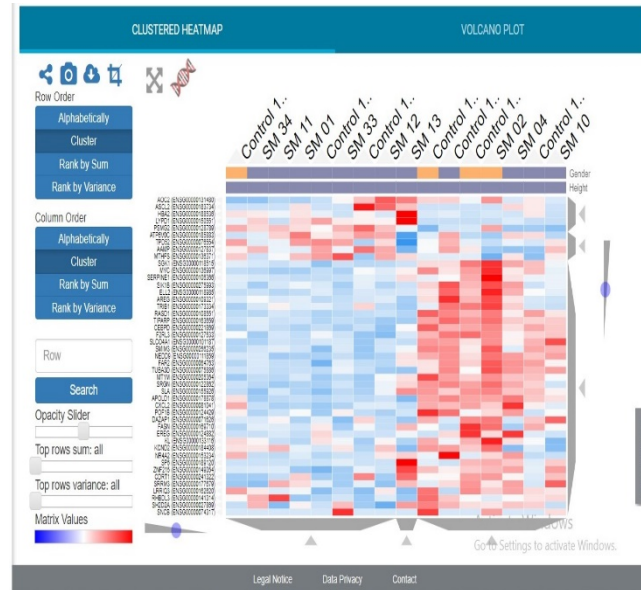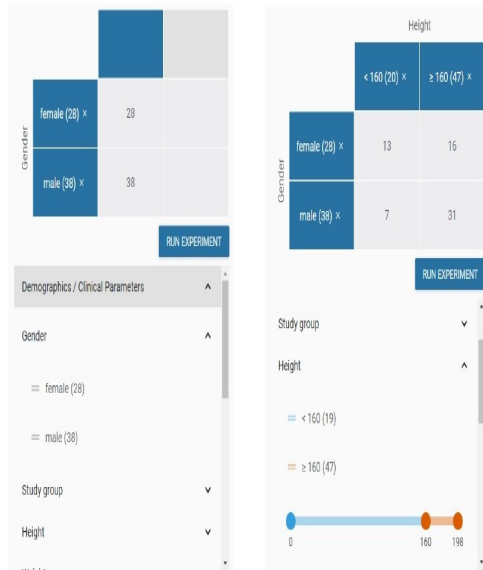 o Actionable Information on Results

  o Usability

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- DEAME Application:

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- Our Objective:

  ○ Find strengths and weaknesses of our current application

  ○ Evaluate if DEAME is a valuable tool for clinical research

- How:

  ○ User-Experience Research with our User Groups
    (e.g. Interviews)

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- Our Next Steps:

  o Create a user questionnaire

  o Conduct user interviews with our clinical partners

  o Evaluate the results