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| Data-Driven Insights into Pulmonary Disease Models for Translational Research  Tulane University – Roy Lab, Center for Airborne Infection & Transmission Science | Abstract  This practicum focuses on applying reproducible biostatistical workflows to analyze immune, histological, and clinical data from murine models of influenza and pulmonary fibrosis. The project aims to strengthen the rigor and translational relevance of preclinical respiratory disease research through standardized data analysis and visualization.  Student Name  Date |

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| Individual | Signature | Date |
| Student |  |  |
| Preceptor |  |  |
| Faculty Advisor |  |  |

# General Guidelines

The Final Report should be written using the current APA formatting, correctly citing all information as appropriate, and using correct grammar and spelling. The Final Report may be written in the first person. The Final Report should include 6-10 pages of written text, not including the title page, reference page, appendices, or tables. Final reports should be uploaded to the SPHL-9980 Canvas assignments dropbox.

Background

* Provide a description of the practicum site/organization giving details regarding its history, mission and vision, practice setting, population it serves, main activities or services, etc.
* Provide a description of your goals and objectives (2-3) and the practicum proposal.

# Activities and Accomplishments

* Provide a description of the activities in which you engaged during your APE
* Accomplishments that you achieved during your APE
* The practicum 2-3 objectives and how they were achieved
* The MPH Competencies described in the Practicum Proposal and any additional competencies developed should be thoroughly discussed, along with examples of activities that illustrate how the competencies were developed.
* A discussion of ways in which MPH coursework was applied or observed
* A critical evaluation of the organization and the practicum experience

# Work Products

* Description of any products (at least 2 minimum): Describe at least two products where these competencies were demonstrated (flyers, brochures, presentations, blogs, websites, data analysis, tables and charts, reports, etc.).

# Challenges & Lessons Learned

* Describe any challenges that were experienced during the practicum and what actions you took to resolve or respond to them.

# Conclusions

* Provide a narrative of any overarching insights or thoughts for future directions that this project could implement to continue this work into the future.

# Reference List

* Provide a reference list as appropriate and necessary from citations that may have been included in the background or any other section of the report.

Appendices

* Include the timesheet (template included below) and work products

Approval Signatures

After you have written your final report, email it to your Faculty Advisor and preceptor for review and final approval. Make edits based on your Faculty Advisor and preceptor’s feedback. Email the updated version to your Faculty Advisor and preceptor and the signatures of the student, your preceptor, and your Faculty Advisor. The signatures of the student, preceptor, and Faculty Advisor should all be collected and dated before submitting the final and best version of this report to SPHL-9980 Canvas assignments dropbox. The signatures on the cover page convey that the individuals listed has reviewed and approved of the version of this report as submitted. Upload final report with signatures to SPHL-9980 Canvas assignments dropbox.

Completion of APE

Documentation of successful completion of the APE will be submitted to the registrar’s office upon upload of signed submission of this final report, student evaluation, preceptor evaluation, and at least two work products to SPHL-9980 Canvas assignments dropbox.

# Timesheet - (Required)

Please document your completed hours below. Cumulative completed hours should at least meet the 200 minimum hours requirement for the APE.

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| **Date at Practicum Site (or remote)** | **Brief Description of Activities (<15 words)** | **Number of Hours** | **Cumulative Hours** |
| 7/16/2025 | Met with collaborators to discuss experimental design. | 2 | 2 |
| 7/21/2025 | Wrote IACUC and IBC | 5 | 7 |
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