DSE 241 – Data Visualization

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Exercise 4 Report: VIOLENT SHEEP

Report Contents

[The Viz 2](#_Toc126272518)

[Motivation 2](#_Toc126272519)

[Data augmentation (if any) 2](#_Toc126272520)

[Tasks 2](#_Toc126272521)

[Expressiveness of design 2](#_Toc126272522)

[Effectiveness of the solution 2](#_Toc126272523)

[Interaction 3](#_Toc126272524)

[Conclusions 3](#_Toc126272525)

# The Viz

# Chart, diagram Description automatically generatedMotivation

This visualization is intended to capture the aggressive interaction between sheep and the relationship to their ages. It uses a force directed graph network to accomplish this task.

# Data augmentation (if any)

To scale node sizes, each sheep’s age was squared.

# Tasks

The user is required to interpret the color channels as being sheep;s age.

# Expressiveness of design

The nodes use a size channel and are scaled to the age of the sheep distinguish older sheep from younger sheep. The nodes also use a color channel to communicate the level of interaction sheep have with other sheep.

# Effectiveness of the solution

The node size does a decent job at distinguishing a sheep’s age. However, it is difficult to trace the edges of the graph from one sheep to the next. The edge labels do not function properly.

# Interaction

The user can hover over the nodes to get information about the sheep. The graph does not include interaction to move nodes around. This would be helpful to allow the user to hone in on particular sets of nodes.

# Conclusions

The graph does not do the best job at accomplishing its task. It does a decent job of allowing the user to obtain information about individual sheep, but does not do a great job of demonstrating the relationship between sheep. The information is included in the graph, but the edges don’t convey enough info.