

# From Playing in the Backyard to Designing One Shiny transforms study designs, data analyses and statistical thinking of oncology in vivo group at Janssen

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Dorethey Gorham, *Day of the Armada* Dorethey is a joyful, self-taught artist living with arthritis, general anxiety syndrome, and diabetes.

R/Pharma | Cambridge, MA | August 23, 2019











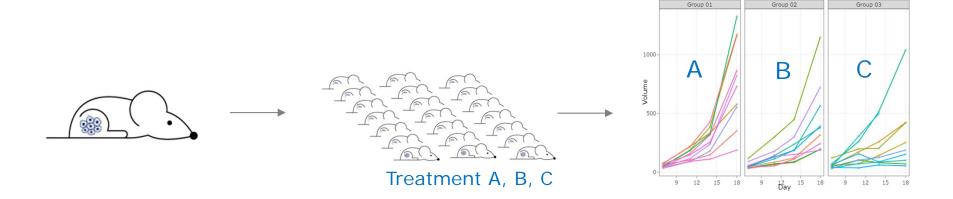
#### Playing in a backyard





#### Study objective:

#### Treatment effect on tumor volume













# Designing a backyard

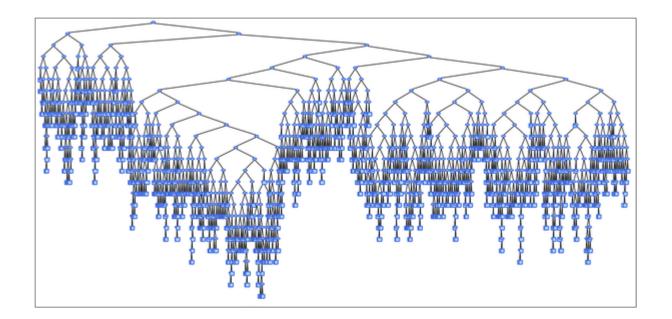


#### Possible pitfalls

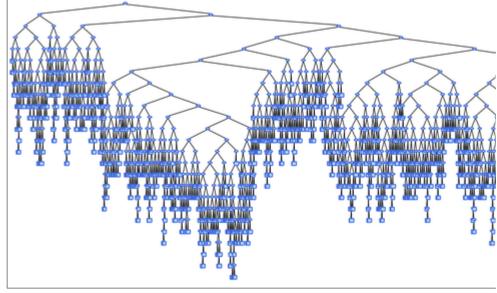
- Complexity of longitudinal data analysis
- Biologists making stat decisions
- o Improper use
- 0 ....

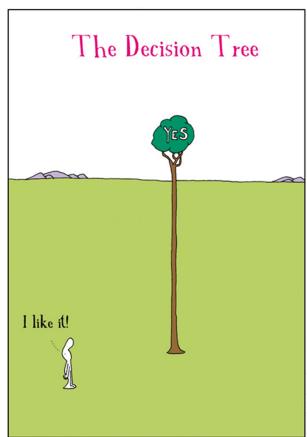
o Consider decision trees

Consider decision trees

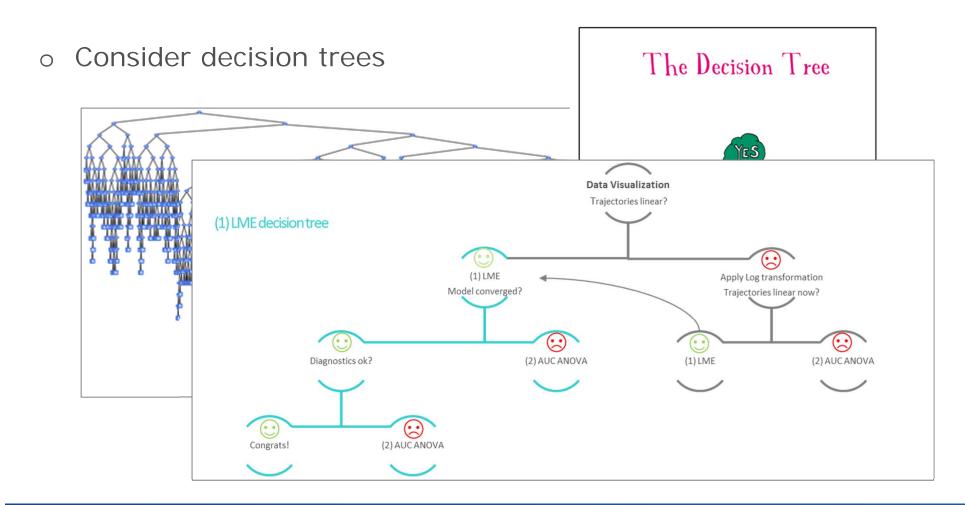


Consider decision trees



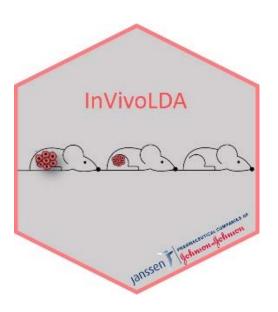


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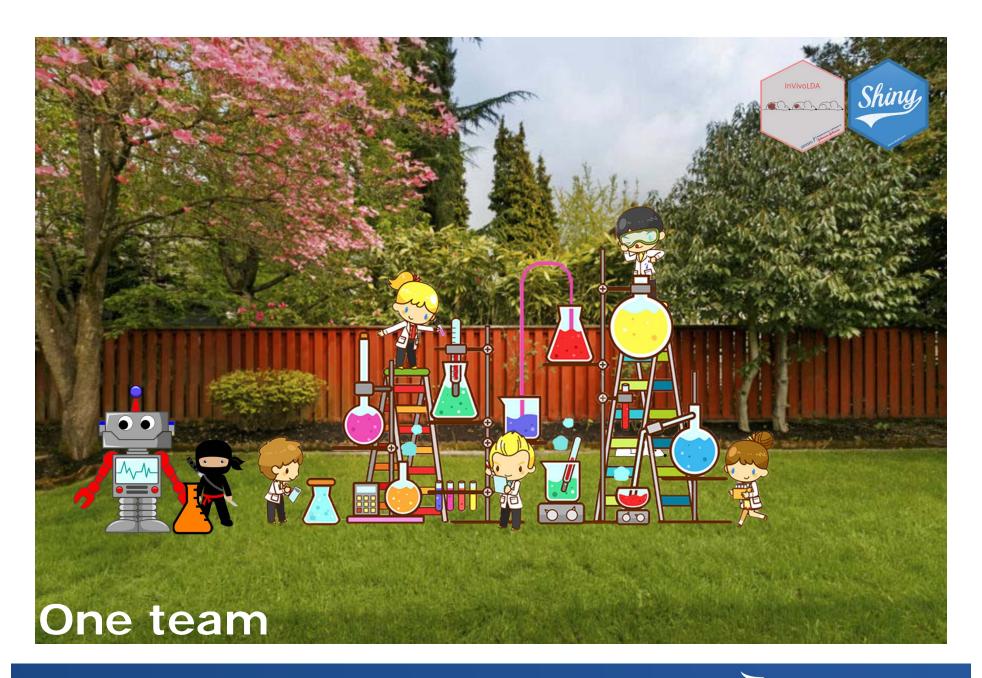
- Consider decision trees
- o Provide training

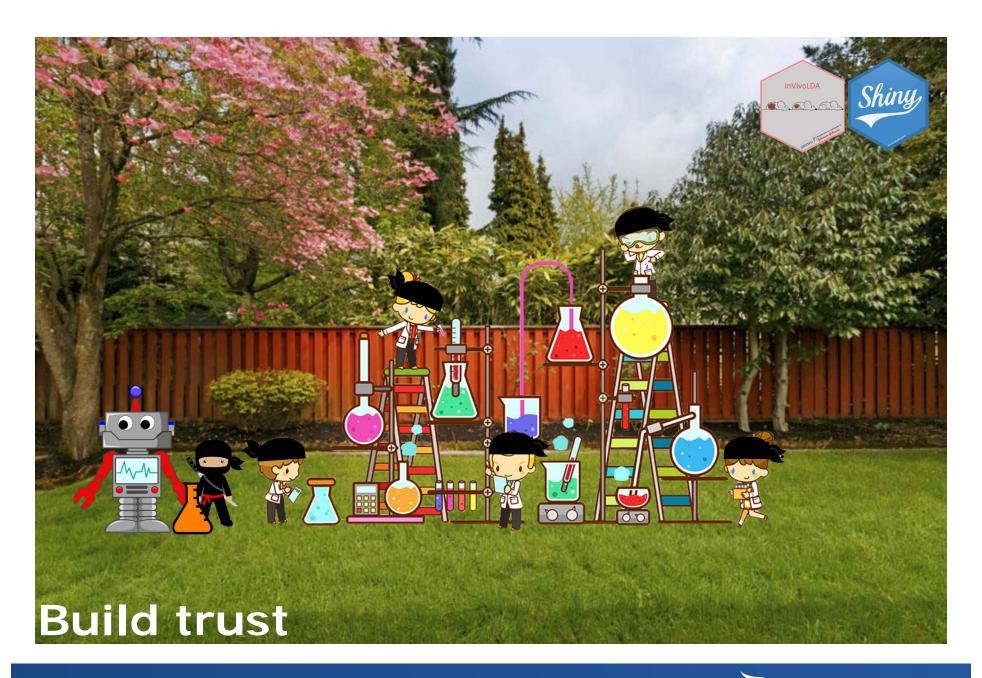
- Consider decision trees
- o Provide training
- Make a hex sticker







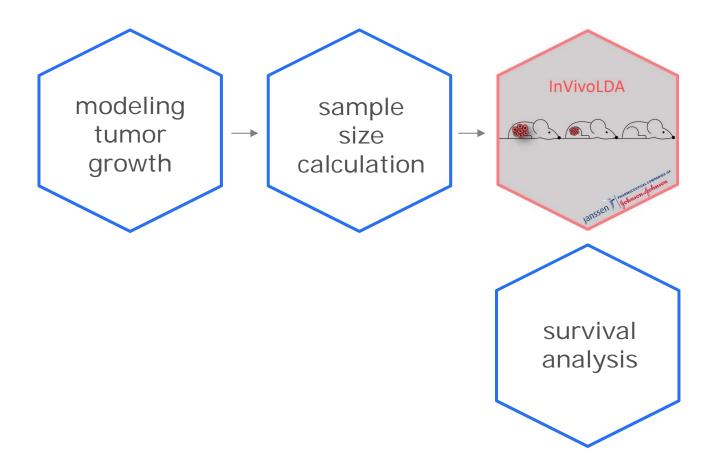








# Shiny apps framework to support oncology in vivo research at Janssen



#### **THANK YOU!**

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