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Francis provides data from no/

755 farms

Variables:

- UPA #

- Island

- For ~ 4 or 5 "categories"
land use to


- All variables in Table 4.

Q1: What drive "form success" 2

3 different measures:

- 1) UPA Productivity
- 2) Net Income
- 3) #workers supported

For each:

- Diagnostics
 - Transform?
 - Regression w/ these as response
 & other variables as predictors
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- Variable selection

- Forward

- Backward

- Stepwise

- Assess w/ AIC & BIC

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Q2: What impacts invasive species?

Similar Analysis, predict

Surface Area w/ Invasive Sp.

Q3 What drive land use change? [4]

Similarly Predict:

end of the Land Use z
for 4-5 categories.

Approaches:

1) Regression

2) Logistic Regression
on $z = 0$
| $z > 0$

3) Categorical Regression - predict
the category of most use

If actually get

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- Land Abandonment $\begin{cases} \text{yes} \\ \text{no} \end{cases}$

- Use of Silos - pasture $\begin{cases} \text{yes} \\ \text{no} \end{cases}$

Then Analyze with Logistic Reg