

Variability

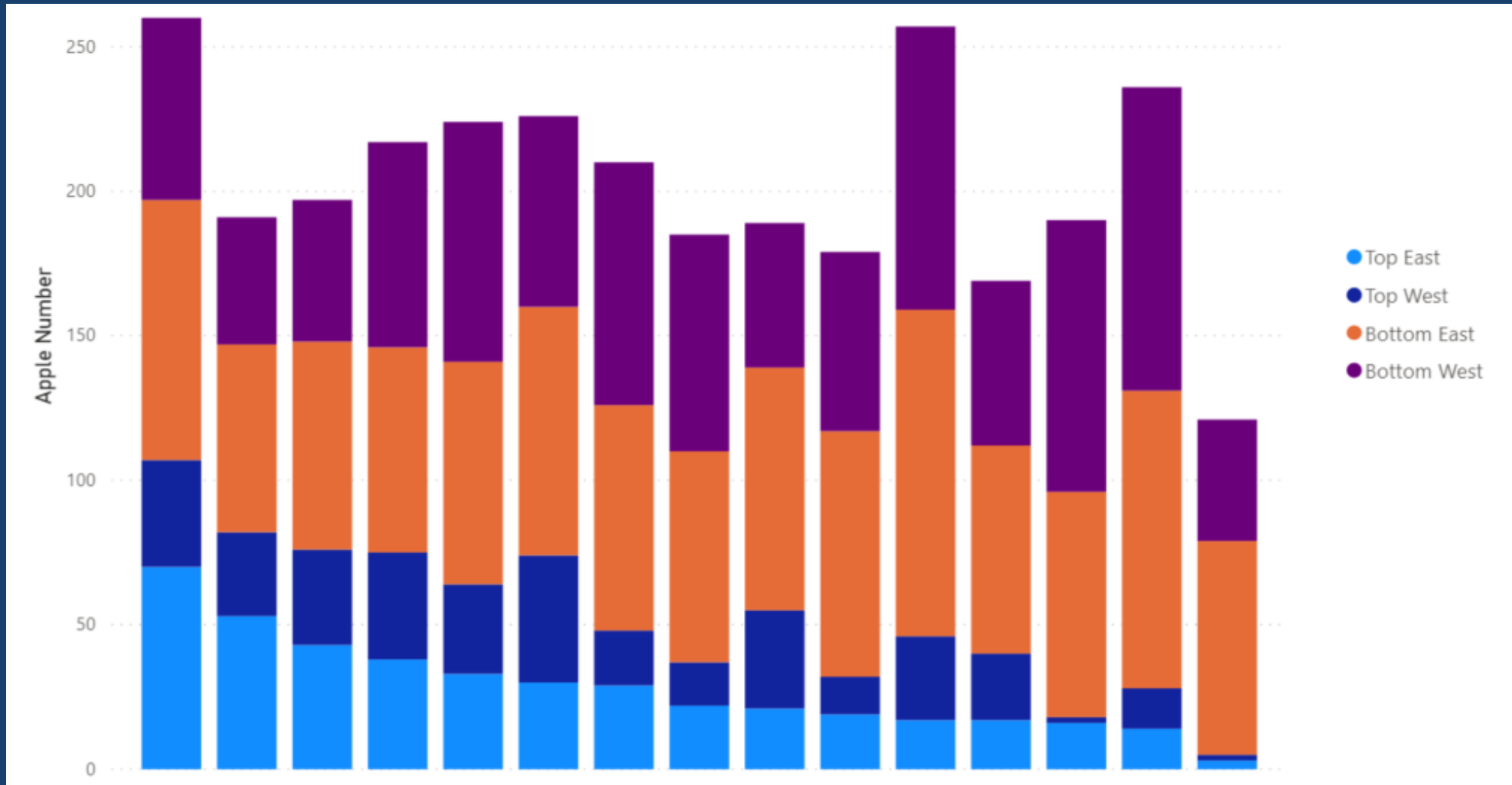
Craig Hornblow
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Our Goal Consistency of Target Fruit



Consistency within the Block

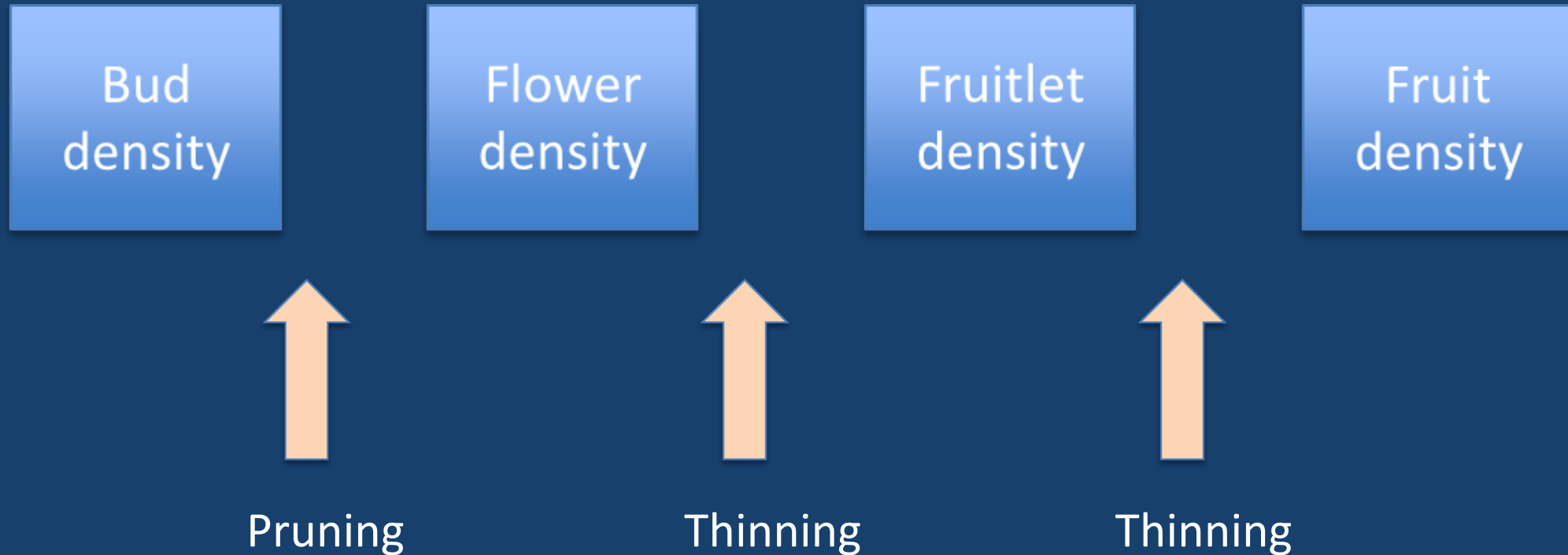


Smarter Technology

Adding real Value?



Personal Signature



How do we create focus? The block

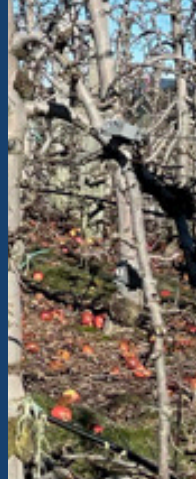


600,000 buds
2,000,000 flowers
800,000 apple
400,000 apples

How do we create focus? The tree



Prune to 300 buds
Spray thin 1500 flowers
manual thin 500 apples
Pick 200 apples

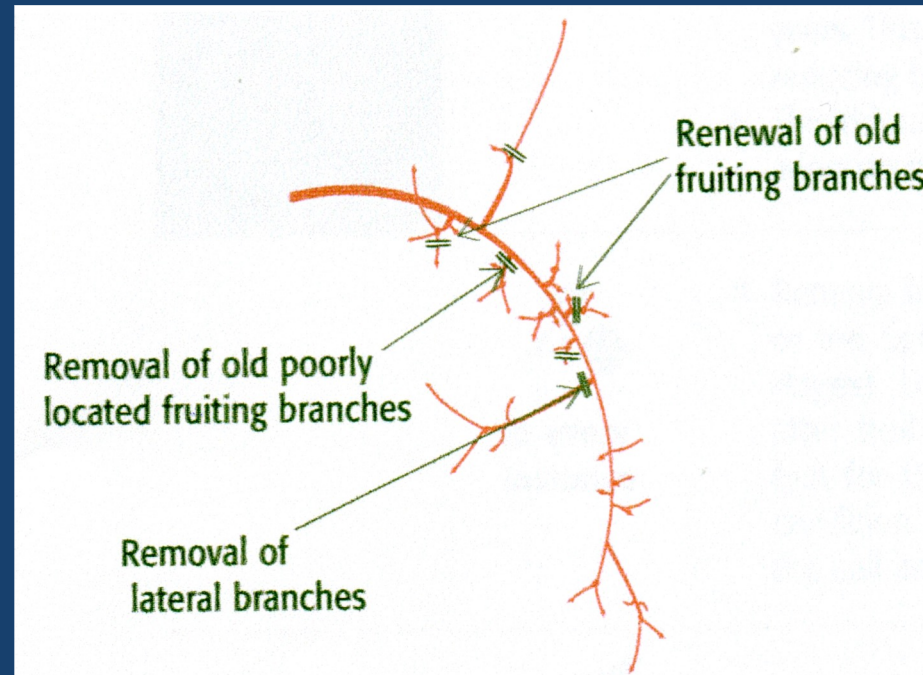


Segment the task

Section the tree

narrow the focus

create improved execution





Segmentation

- The block 385,000 fruit
- the tree 175 fruit
- the branch 27 fruit
- 8 cm 1 Fruit





Segmentation can
create more
opportunity



Focus on the light : what's the result?



Focus on Light

Canopy 1

Canopy 2

Upper Canopy



Lower Canopy

Describe the ideal canopy with light in mind



Describe the ideal canopy, with light in mind



Texture:

“The feel, appearance or consistency of a surface or substance”

Canopy Texture -Visual cues

Rule 1

- 3-5 rows
- Maintain windows and openness within the canopy

Harvesting Light – 3-5 rows



Harvesting Light – 3-5 rows





Harvesting Light –
3-5 rows







Managing windows

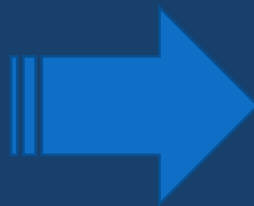


Managing windows



Managing windows

Amending Old Planting's



Canopy Texture -Visual cues

Rule 2

- **Maintain 50% shade**

Harvesting Light – 50% rule



Harvesting Light – 50% rule





Harvesting Light – 50% rule



Harvesting Light – 50% rule



3D to 2D



- Easier to maintain light rules



3- 5 row rule
50 % shade
800 μmol s

Reduce Variation

- Segment the task
- Focus on light
 - 3-5 row rule
 - 50 % shade

