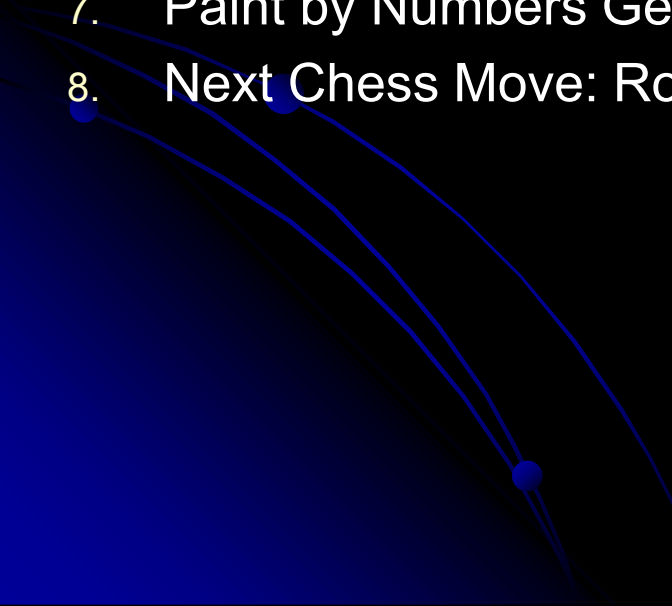
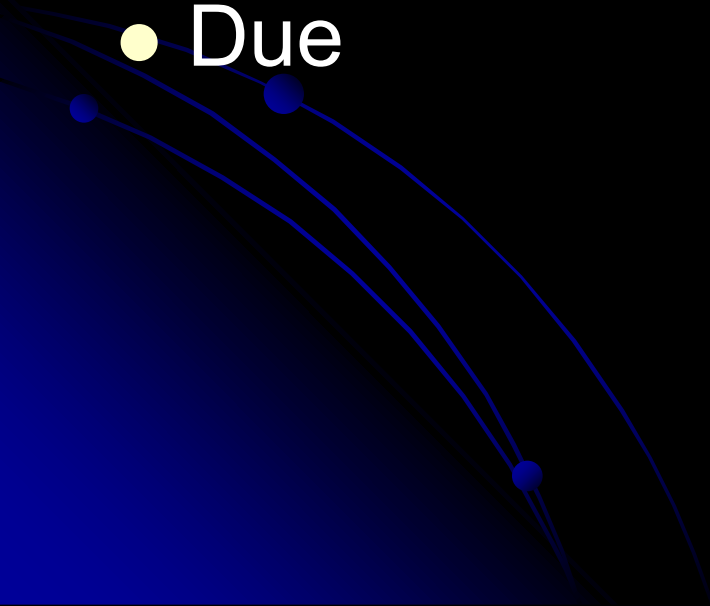


- Announcements:
 - Sunset detector due Weds. 11:59
 - Literature reviews due Sunday night 11:59
- Today: Lab for sunset detector
- Next week:
 - Monday: k-means
 - Tuesday: sunset detector lab
 - Thursday: template-matching
 - Friday: k-means lab

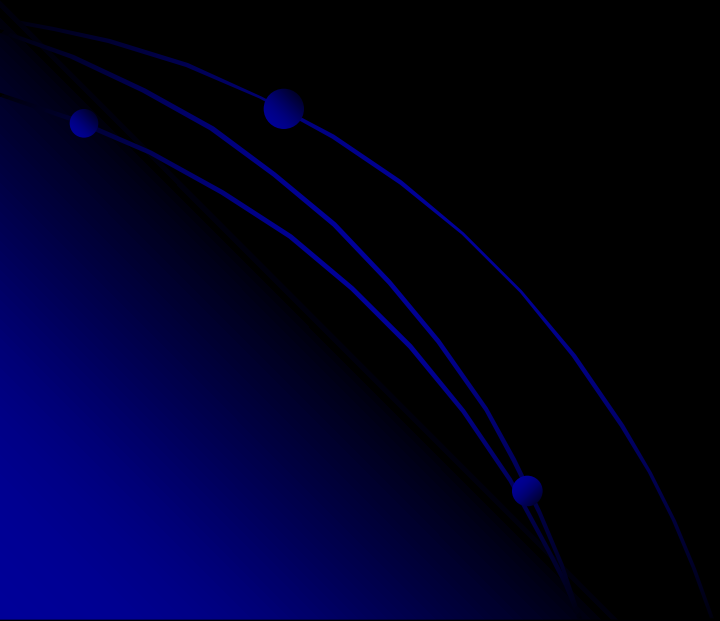
Term Project Teams

1. Photo Mosaic: Ali A, Joe L, Marina K, Daniel N.
 2. Where's Waldo?: Ryohei S, Brandon K, Eric V
 3. Stereoscopic Image Depth Mapping: Eric H, Nick K, Laura M, James S
 4. Object Tracker: Franklin T, Kyle C, Mike E, Kyle A
 5. Detection of Cancer in Brain Scans: Trey C, Nicole R, Katy Y, Maisey T
 6. IGVC Vision: Donnie Q, Anders S, Ruffin W, Kurtis Z
 7. Paint by Numbers Generator: Ann S, Katie G, Seth T
 8. Next Chess Move: Robert W, Andrew M, Eduardo B
- 

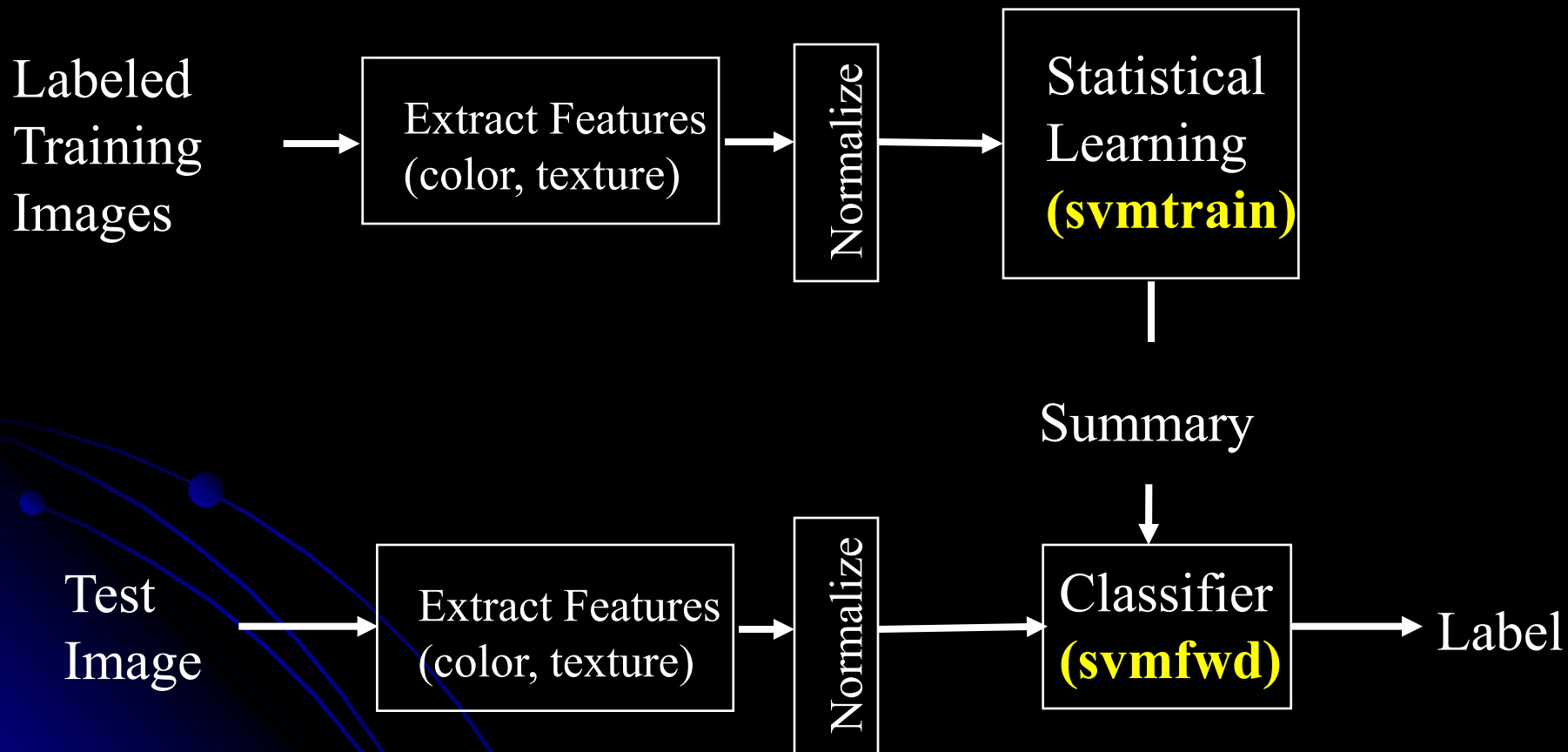
Term project next steps

- Read papers!
 - Review what others have done.
Don't re-invent the wheel.
 - Summarize your papers
 - Due
- 

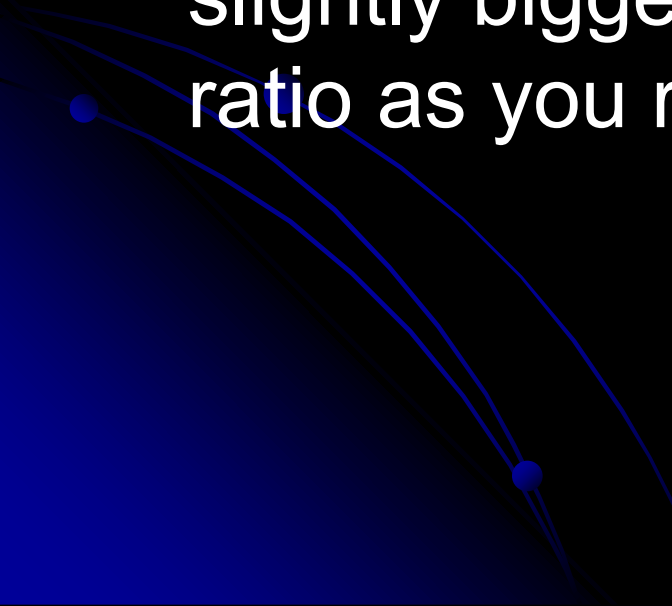
Last words on neural nets



Common model of learning machines



Sunset detector addition

- Please email me a zip file of 10 images that you think would be tough to classify by Monday. I'll compile and send out.
 - Best if the resolution is 384 x 256 (or slightly bigger, but don't change the aspect ratio as you rescale)
- 

Sunset Process

- Loop over images
 - Extract features
- Normalize
- Split into train and test
- Save
- Loop over kernel params
 - Train
 - Test
 - Record accuracy
- For SVM with param giving best accuracy,
 - Generate ROC curve
 - Find good images
 - Do extension
- Write as you go!