## Satellite Data

- 1 Went to USGS & downloaded 8 images
- 3 Clipped to City
- (3) Funthrough FLAASH
- (4) Spitar into bards(?)

Reference Data

1 Download

rome (2) randomly divide polygons into training & techniq group by category

For S Download (GeotIFFs)

ose Gmis

## Methods

RF x3 (one is current method used by WWD APT) - primarily defaults
CNN x2 - had to figure out "optimal travbrings" structure"

Classification Scheme Scheme RF = S1, 52, 53

SI N CONTROL (WYDAPT)

SZ adds more spectral info

S3 uses context of surrounding squares

CNW = S4, S5

S4- seems like more of a straightforward "throw the data in the model"

35 - Uses context

of could only do 2

Modelling & accuracy assessment

ran model 10x for robustness check

of could do WAY
wess of all of this

assessed accuracy w/ 4 mmics - OA, OAvrB, OAnar, F1 score (or 3?)

Selected 2 model to map LCZ for each city based on OA & OA URB
McNemars test for significance of differences

Transferability Experiments

trical LCZ madels on 4th city from other 3 bests