

this variable types, histograms
time: AMS 7
7 April

next measure of
time: center & spread

office hours ①

- BE = Berklin Engineering
- AT = Alex Terenin
- BL = Bohan Liu
- SG = Sharmista Guha

| | | | |
|----|-------------|----|-----------|
| M | 3-4p | AT | BE 358 |
| M | 4-5p | AT | BE 358 |
| Tu | 4-5p | BL | BE 312C/D |
| W | 3-4p | SG | BE 319 |
| W | 4-5p | SG | BE 319 |
| Th | 5-6p | BL | BE 312C/D |
| F | 10-11A | JD | (*) |
| F | 1.15-2.15pm | JD | (*) |

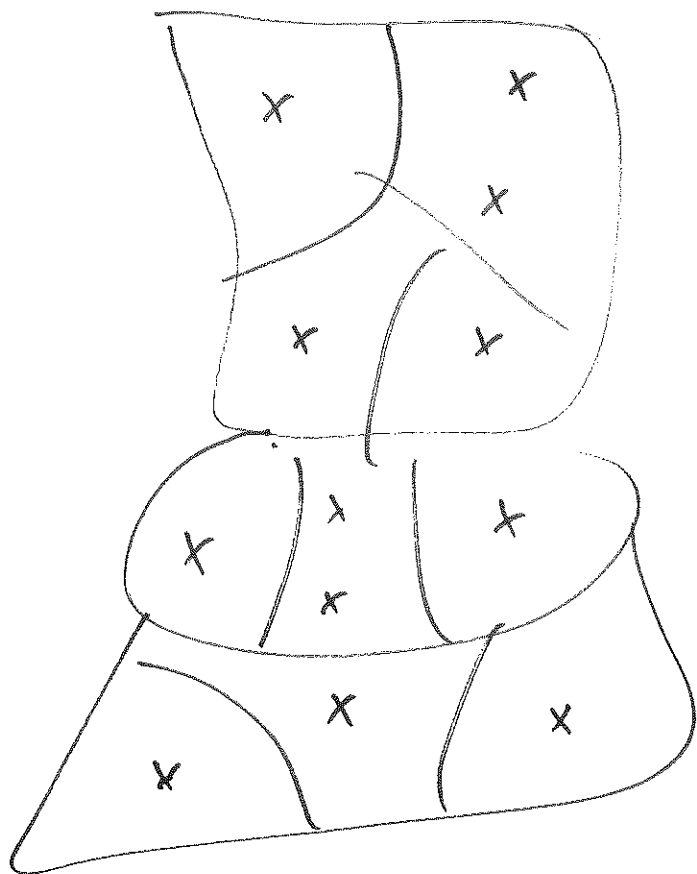
webcasting how
works: go to
webcast.ucsc.edu

click on Videolist
next to AMS 7-01
with Drayer
userid ams-7-01 / password ready14slow

(*) = BE 358 unless
not big enough, in which
case Jack's Lounge
(on ground floor of
BE, at opposite end
of building from coffee
kiosk)

Sections start Mon 1st Apr 17

(2)



haphazard =
at random

a
quantified
variable:
values have
unique
places on
number line

Qualitative:
no unique
place for its values on
number line

variable

possible values

eye color
in humans

brown, blue, black

not dich.

qualitative (qual)

nominal

hair color
in hamsters

brown, black

dichotomous

ordered categorical

success at
maze running

very slow, slow, moderate, fast, very fast

qual

ordinal

plant
size

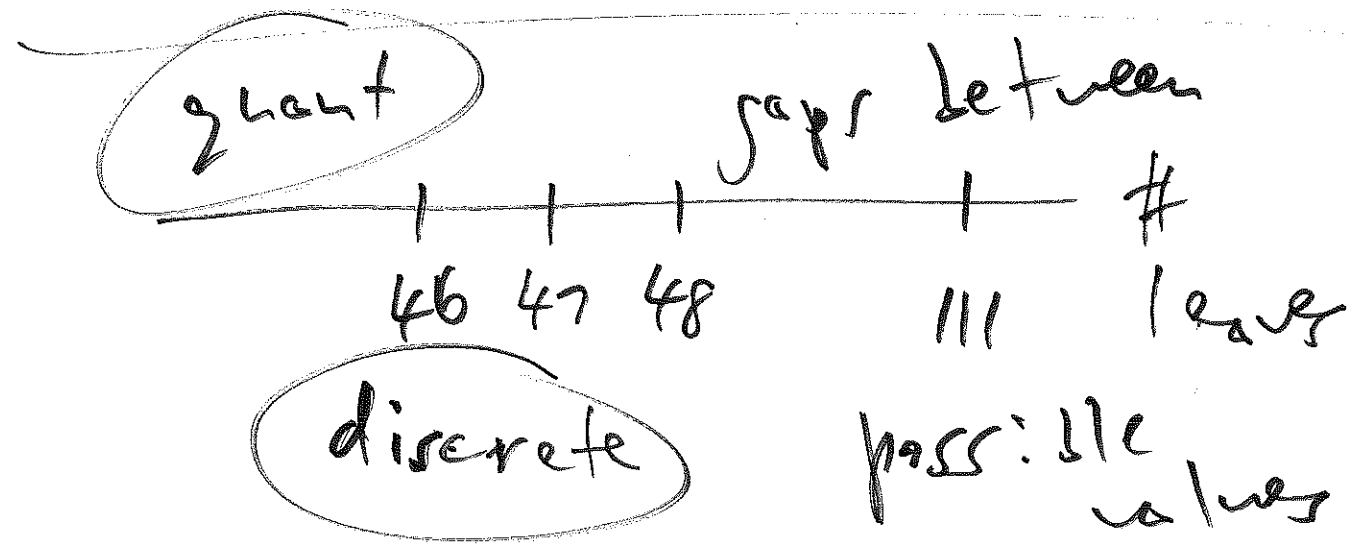
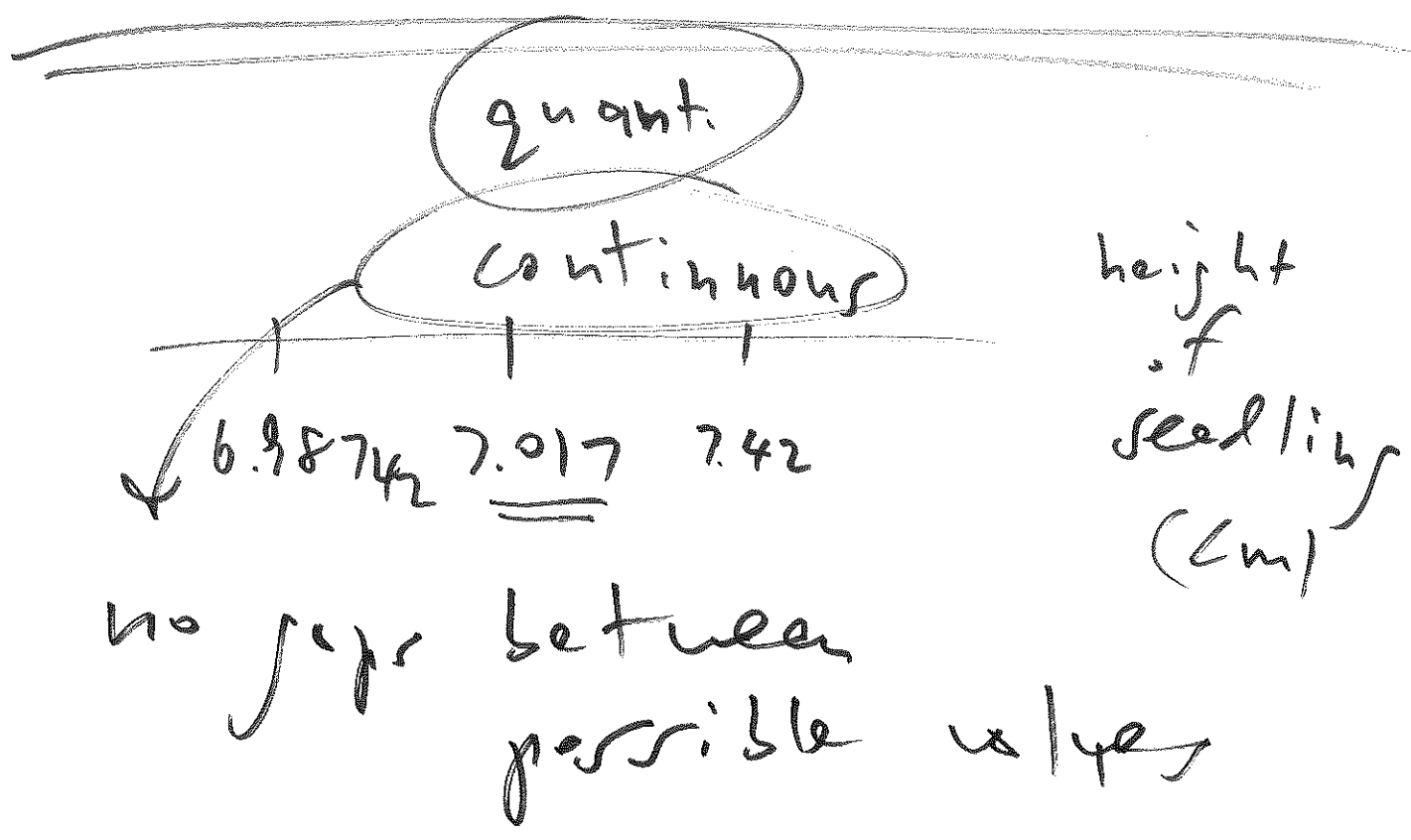
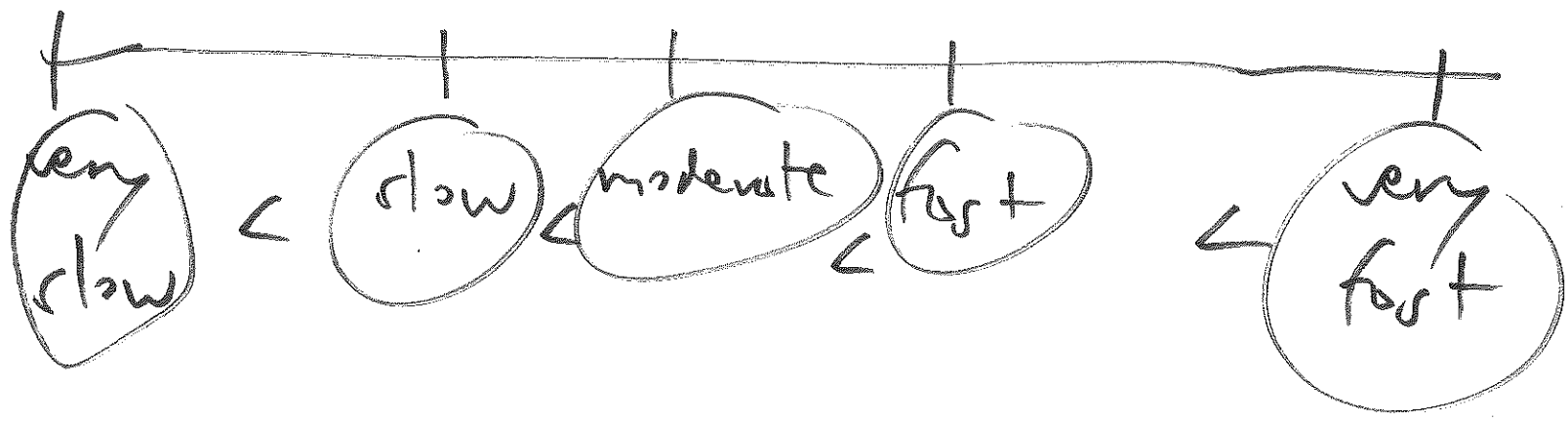
seedling
height
(cm)

7.42 cm, ratio

7.017 cm, ...
Quantitative (quant)

leaves
(adult)

46, 111, ...
ratio
pure # (counts)



3 variables: quant

1 column

for each variable

Animal ID

45

333

⋮

~~○~~

no meaning

quant

Age

2

0

⋮

○

meaningful

Hair color

0

2

⋮

~~○~~

qual

1 row for each animal

no meaning

5