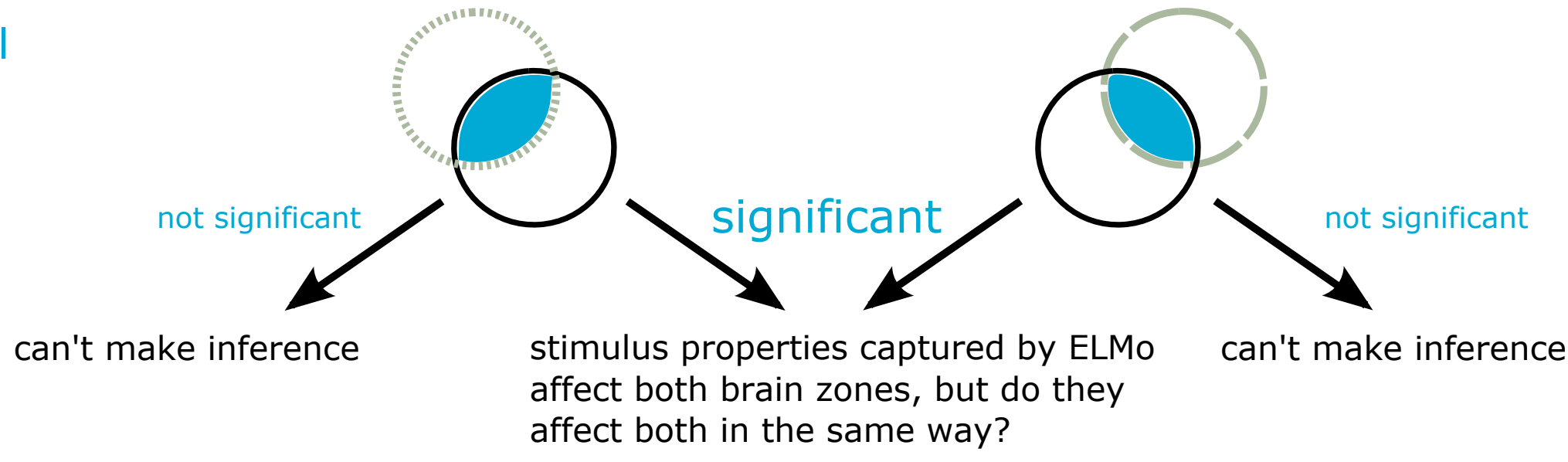
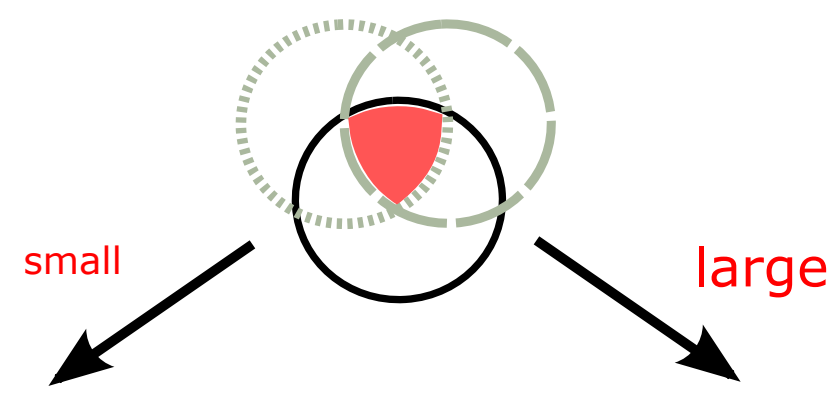


encoding model
performance



- variance in a brain zone
- variance in a second brain zone
- variance in stimulus representation (e.g. ELMo)
- variance in stimulus

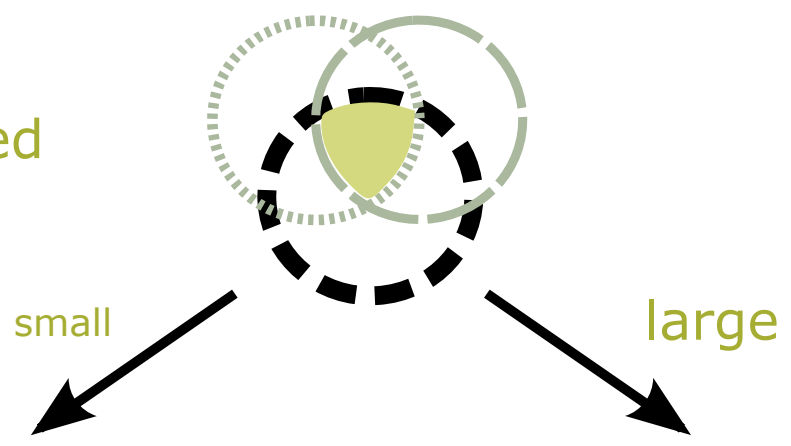
zone
generalization



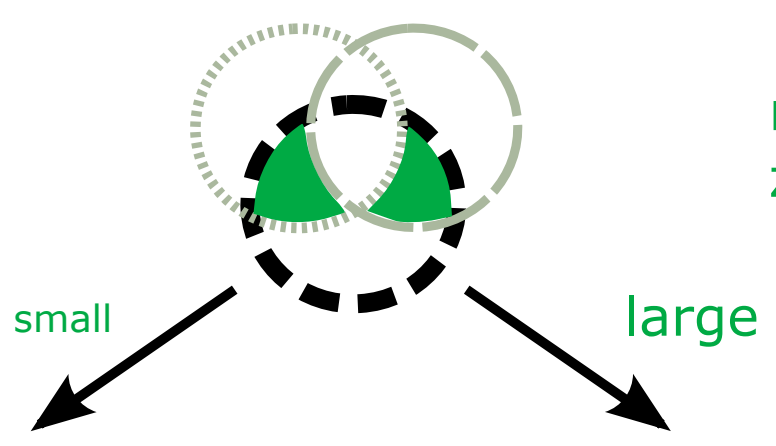
at least some stimulus properties affect brain zones **differently**
are there stimulus properties, not captured by ELMo, that affect the brain zones **similarly**?

at least some stimulus properties affect brain zones **similarly**
are there stimulus properties, not captured by ELMo, that affect the brain zones **differently**?

1 - avrg. normalized
zone residuals



normalized
zone residuals



stimulus properties affect brain zones **mostly differently**
&
ELMo captures some of these stim. properties
Inference A

some stimulus properties affect brain zones **differently**, and **some similarly**
&
ELMo missing stim. properties that affect zones **similarly**
Inference B

stimulus properties affect brain zones **mostly similarly**
&
ELMo captures some of these stim. properties
Inference C

some stimulus properties affect brain zones **similarly**, and **some differently**
&
ELMo missing stim. properties that affect zones **differently**
Inference D