



Relative Gradable Adjectives (Kennedy 2007)

tall, long, big, large, dark, expensive, rich, fat, strong, pointy, thick, short, small, light, cheap, shallow, poor, thin, weak, blunt, smart, easy, happy, pretty, dumb, difficult, sad, ugly, etc.

Gradable:	taller (vs. *deader, *more wooden)	
Contrary antonyms:	tall/short	
Slightly/*perfectly:	*slightly tall/*perfectly tall	
For-phrases:	tall for an 8 year old	
Context-dependent st	andards	







Theories of Gradability
Delineation (Klein 1980)
 Gradable adjectives denote partial one-place predicates that induce a three-way partition on comparison class
not tall extension gap tall C ➢ No notion of degree underlying positive form





Compatibility wit	h Truth	Condi	tions
Who is tall?	Delineation	Abstract Degree	Derived Degree
a. Tallest n% of Cs	Yes	Yes	Yes
b. Top n% of heights of Cs	No(?)	Yes	Yes
 c. HEIGHT > mean_{x∈C} HEIGHT(x) - or any other formula requiring distance metric 	No(?)	Yes	No



- Can the semantics of gradable adjectives in their positive form be expressed in terms of rankings of individuals (consistent with the delineation theory), or is it necessary to introduce degrees?
- □ If degrees are needed, what scale structure is required:
 - an ordinal-level scale derived from a ranking on C (per derived degree theory)
 - or a scale with a distance metric (possible under the abstract degree theory)?

















- □ Extend previous findings
 - **•** to additional adjectives
 - **•** to different types of distributions (asymmetric)
- Further investigate relative role of rankings and degrees
 - Can positive form be associated with fixed segment of the range of degrees?







	If judgments based entirely on	
Dependent variable	Ranking	Degree
# items checked	Same across conditions	vary
Cutoff points	vary	Gaussian < moved
		left = Gaussian = right



















Conclusions

- Truth conditions for sentences with gradable adjectives cannot be stated purely in terms of rankings of individuals. Degrees are required.
 - Most compatible with Degree-based theory of gradability
 - But does not require that degrees be represented in semantics (cf. Delineation theory)
- □ The relevant notion of a degree involves a scale with a distance metric
 - Supports Abstract Degree theory vs. Derived Degree theory





