Note Tit	S2100 - Recap of our semester
	Announcements
	- HW due now - Practice final is at front of the room - Review session: Monday during last class
	- Final exam: Wednesday at 8am

Lata Structures Covered -Stacks gueues VIISTS sorting searching - AVI Trees (Idenced bing)
- Huffman trees - heaps hashing

Data Structures

Some data structures have limited

functionality, but as a result

are extremely efficient.

Ex.

-Stack -queur "Full-featured" data structures More versable data structures have trade-offs:
to get something faster you sackfice speed in another area. t ? insert/remove vector) access time graphs: spece VS access time

Kandomized or Expected Some work well in practice but have no theoretical guarantees. - hash functions - auck sort - Lomortsed push-back in vector

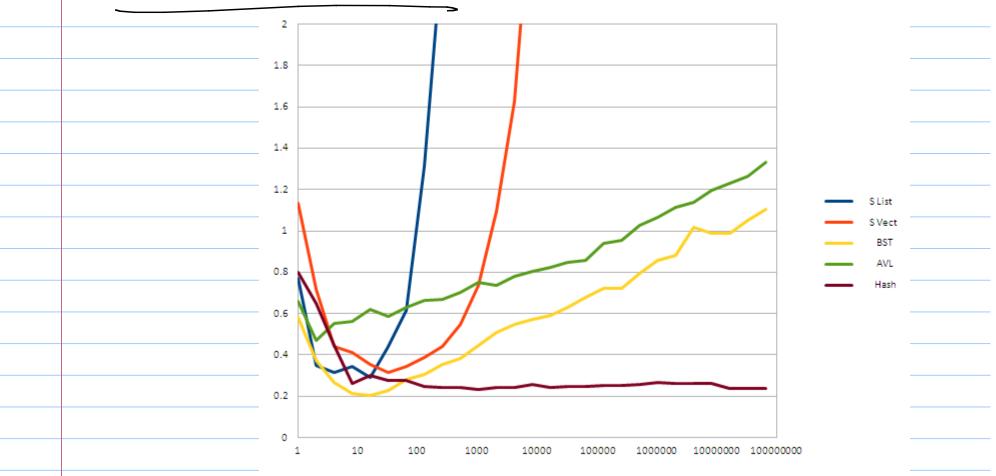
So which is best?

Ans: Depends!





Random Inserts



Note: Hashing 15 fast!

The "vandomness" of the hash
function even hides order

of elements.

Canton, though: They don't have all the extra functionality of others.

