

	Array	Vector	Arraylist
Construction time (10 run average, size 2^{27} , measured in seconds)	0.4997	1.856	~2.500
Summation time (10 run average, size 2^{27} , measured in seconds)	0.0361	0.6089	0.0990
Average sum	$\sim 5.3 \cdot 10^8$	$\sim 5.3 \cdot 10^8$	$\sim 5.3 \cdot 10^8$

While the average sum remained similar for each data structure, the time taken to construct and sum up 2^{27} elements strongly varied, with the array data type taking the shortest time for both construction and summation. Vectors take a shorter time to construct compared to arraylists, but arraylists take a shorter time to sum up compared to vectors. Either way, arrays should be the recommended type since it takes the shortest to construct and sum up.