

	Array	Vector	Arraylist
Construction time (10 run average, size 2^{28} , measured in seconds)	0.95797	2.97458985	5.1566568
Summation time (10 run average, size 2^{28} , measured in seconds)	0.0692337	1.2374036	0.1969468
Average sum	$\sim 1.07 \cdot 10^9$	$\sim 1.07 \cdot 10^9$	$\sim 1.07 \cdot 10^9$

While the average sum remained similar for each data structure, the time taken to construct and sum up 2^{28} 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.