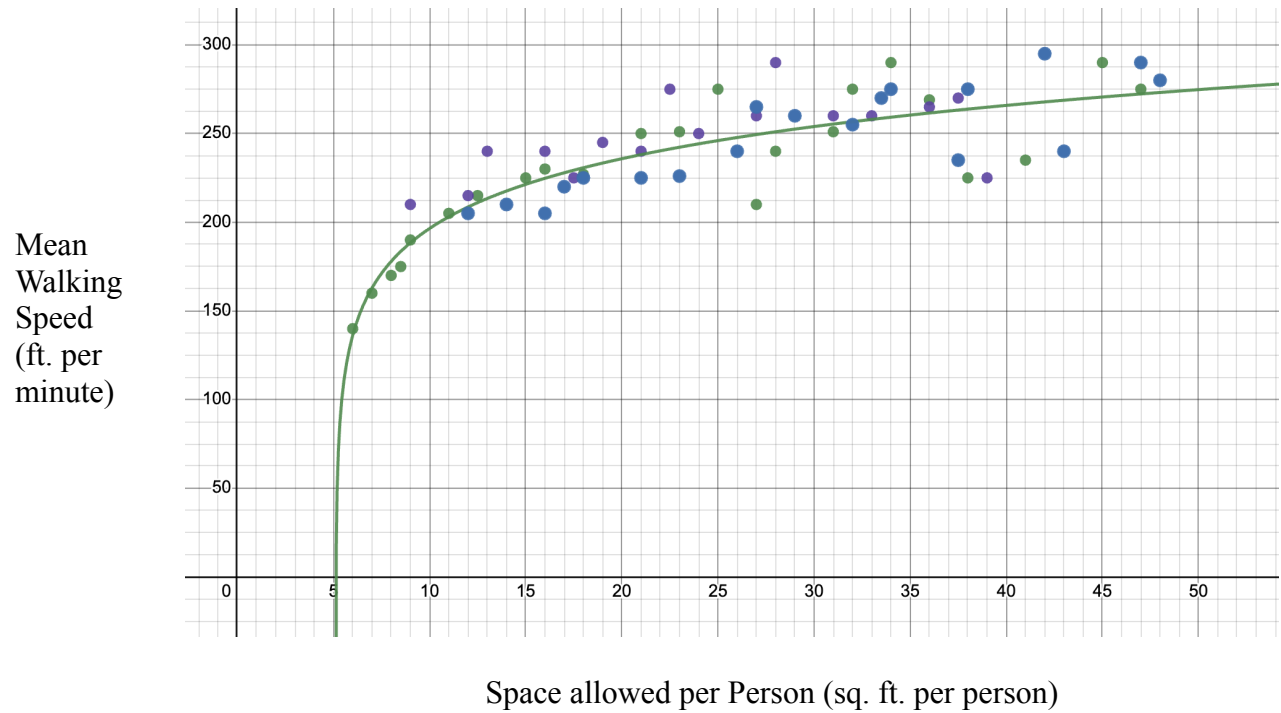


RESOURCE A

Visualizing the Volume of People “square feet allowed per person”

<div data-bbox="305 352 656 573" data-label="Image"> </div> <p>A.</p> <ul style="list-style-type: none"> -Every person has more than 35 sq. ft. to themselves. -People can move freely at their own pace and avoid obstacles. - About 7 people per minute per 1 ft. width of walkway 	<div data-bbox="919 352 1253 558" data-label="Image"> </div> <p>B.</p> <ul style="list-style-type: none"> -Every person has 25 to 35 sq. ft. to themselves. -People can mostly move freely at their own pace. May encounter obstacles in bidirectional traffic.
<div data-bbox="313 840 693 1077" data-label="Image"> </div> <p>C.</p> <ul style="list-style-type: none"> -Every person has 15 to 25 sq. ft. to themselves. -People’s walking speeds and ability to avoid obstacles is restricted. -About 10 to 15 people per minute per 1 ft. width of walkway -Reasonably fluid flow, but there could be friction or interaction between people 	<div data-bbox="935 846 1295 1066" data-label="Image"> </div> <p>D.</p> <ul style="list-style-type: none"> -Every person has 10 to 15 sq. ft. to themselves -Majority of people would have their walking speeds restricted and would encounter obstacles. -Might have momentary stoppages of flow, and people might have to weave in the crowd to make forward progress.
<div data-bbox="308 1404 644 1617" data-label="Image"> </div> <p>E.</p> <ul style="list-style-type: none"> - Every person has 5 to 10 sq. ft. to themselves. - Everyone would have their walking speeds restricted to a shuffle, and people would not be able to weave through the crowd to make progress. 	<div data-bbox="850 1404 1206 1625" data-label="Image"> </div> <p>F.</p> <ul style="list-style-type: none"> - Every person would have less than 5 sq. ft. to themselves. - Walking speeds restricted to a shuffle. Movement is sporadic and based on those at the front. Complete flow breakdown. - Not recommended.

RESOURCE B
Mean Walking Speed v.s. Space per Person



Best fit function — $f(x) = 81.2642 \log(2.97451x - 15.2104) + 102.024$

- Hallway width 6 ft
- Hallway width 7.5 ft
- Hallway width 10 ft

