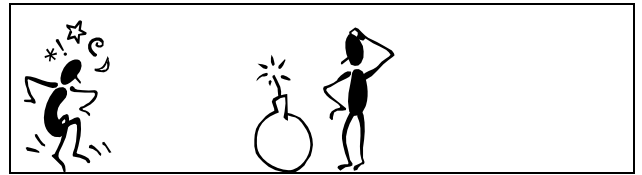


Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds

Year 10: 0.72, 0.62, 0.36, 4, 0.54, 0.46, 0.42, 4, 0.36, 0.42, 0.34, 0.44, 1.3, 0.38, 0.54, 4, 0.46, 0.34, 3.06, 0.32

Year 5: 0.42, 1.66, 0.44, 0.46, 0.6, 4, 0.42, 0.62, 3.14, 0.56, 0.52, 0.6, 0.96, 0.66, 4, 0.38, 0.48, 4, 0.6, 0.9



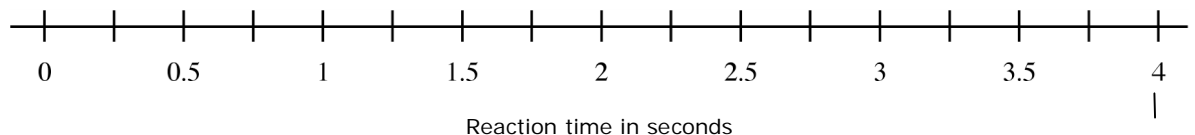
Analysis

5-number summary	Year 10	Year 5



Year 10

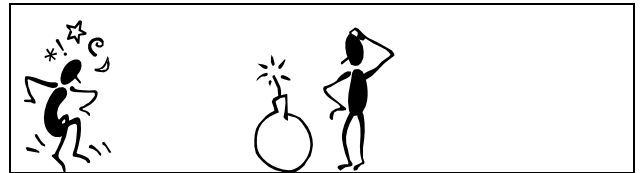
Year 5



Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds

Year 10: 0.4, 0.5, 0.46, 0.44, 0.32, 4, 0.5, 0.46, 0.38, 0.44, 0.38, 0.4, 3.04, 0.52, 0.54, 0.56, 0.74, 0.38, 0.38, 0.38

Year 5: 0.7, 4, 1.58, 0.38, 0.94, 4, 1, 0.52, 0.42, 1.06, 0.4, 0.42, 0.82, 0.76, 0.6, 2.94, 0.38, 1.52, 4, 0.56



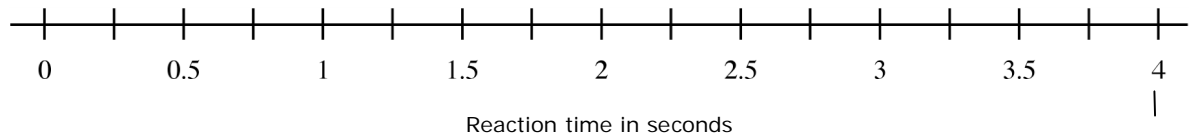
Analysis

5-number summary	Year 10	Year 5



Year 10

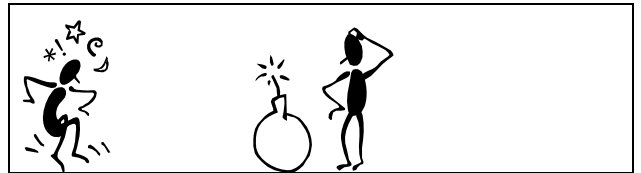
Year 5



Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds



Year 10: 0.4, 0.48, 0.38, 0.36, 0.42, 0.3, 0.9, 0.34, 0.38, 0.6, 0.42, 0.36, 0.38, 0.34, 1.78, 0.58, 0.86, 0.34, 0.5, 0.44

Year 5: 2.92, 0.48, 4, 0.54, 0.44, 4, 0.8, 0.4, 0.5, 0.46, 0.6, 0.58, 0.58, 1.12, 4, 0.44, 0.04, 0.6, 1.26, 1.54

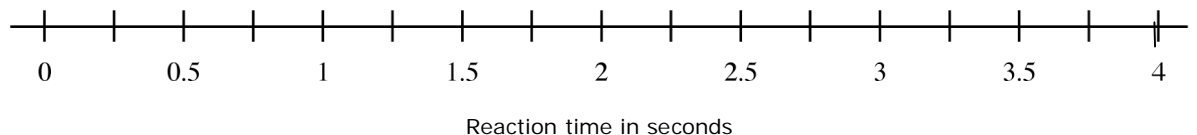
Analysis



5-number summary	Year 10	Year 5

Year 10

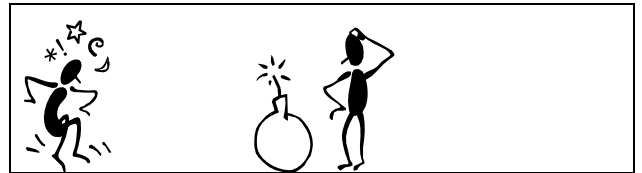
Year 5



Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds



Year 10: 0.44, 0.54, 0.4, 4, 0.38, 0.5, 0.32, 4, 0.44, 0.46, 0.36, 0.28, 0.96, 0.46, 0.3, 0.4, 0.46, 0.4, 0.44, 0.46

Year 5: 0.48, 0.5, 2.6, 0.48, 0.62, 0.5, 0.58, 0.6, 0.54, 0.5, 4, 2.04, 0.54, 0.7, 0.74, 0.58, 0.56, 0.52, 4, 0.44

Analysis



5-number summary	Year 10	Year 5

Year 10

Year 5

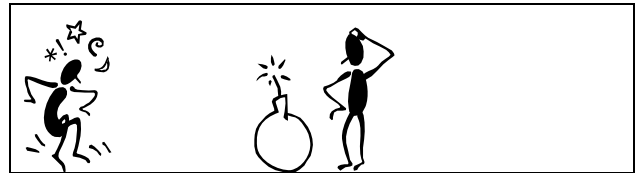


Reaction time in seconds

Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds



Year 10: 0.3, 0.94, 2.08, 0.44, 4, 0.42, 0.38, 0.42, 0.42, 0.36, 4, 0.34, 0.36, 0.34, 0.56, 0.56, 0.36, 0.4, 0.42, 0.34

Year 5: 1.16, 0.4, 0.66, 0.68, 2.98, 0.46, 0.58, 0.76, 0.56, 3.6, 4, 0.64, 0.42, 0.52, 0.56, 0.5, 1.1, 1.1, 0.44, 0.54

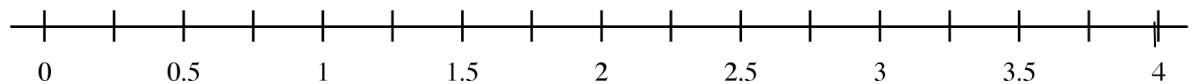
Analysis



5-number summary	Year 10	Year 5

Year 10

Year 5

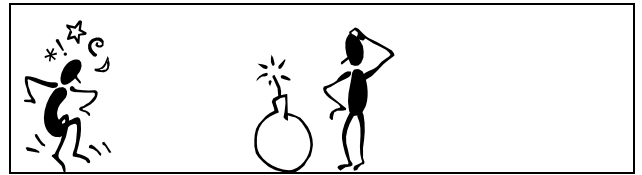


Reaction time in seconds

Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

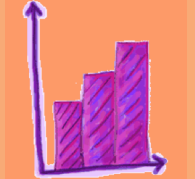
Data in seconds



Year 10: 0.62, 0.84, 0.52, 0.42, 0.28, 0.38, 0.54, 0.46, 0.32, 0.4, 4, 0.4, 0.52, 0.86, 0.46, 0.44, 0.38, 0.42, 0.36, 0.42

Year 5: 0.5, 4, 0.46, 0.96, 0.6, 1.12, 0.44, 0.56, 0.5, 0.48, 0.48, 4, 0.36, 0.38, 4, 0.96, 0.74, 0.4, 0.76, 4

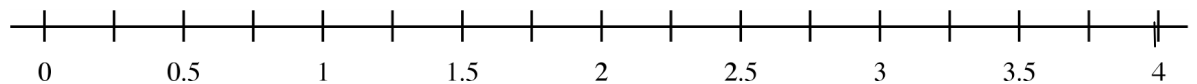
Analysis



5-number summary	Year 10	Year 5

Year 10

Year 5

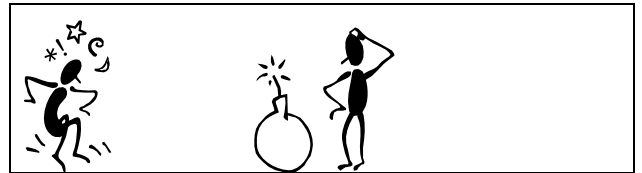


Reaction time in seconds

Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds



Year 10: 0.58, 0.4, 0.34, 0.48, 0.34, 0.46, 0.44, 0.68, 0.38, 0.4, 2.08, 0.34, 0.38, 0.44, 3.32, 0.34, 0.4, 0.38, 1.16, 0.3

Year 5: 4, 0.6, 1.6, 0.42, 0.38, 1.28, 0.6, 0.44, 0.5, 0.54, 0.4, 1.82, 1.2, 0.52, 1.64, 0.64, 0.48, 4, 0.42, 4

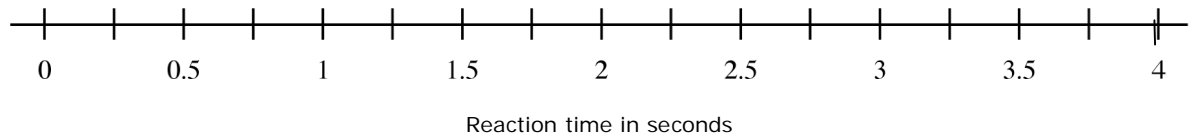
Analysis



5-number summary	Year 10	Year 5

Year 10

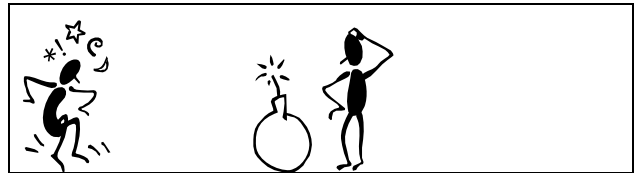
Year 5



Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds



Year 10: 0.32, 0.3, 0.48, 0.32, 0.38, 0.58, 0.46, 0.44, 0.36, 4, 0.44, 0.32, 0.56, 0.3, 0.58, 0.46, 0.36, 0.44, 0.46, 0.28

Year 5: 1, 4, 0.48, 4, 4, 4, 4, 0.4, 0.44, 0.44, 1.06, 0.56, 0.5, 1.46, 0.82, 0.44, 0.88, 1.76, 0.5, 0.4

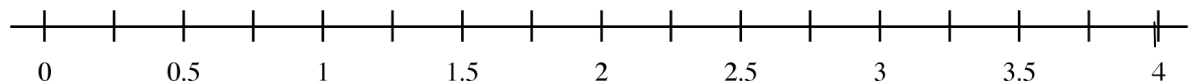
Analysis



5-number summary	Year 10	Year 5

Year 10

Year 5

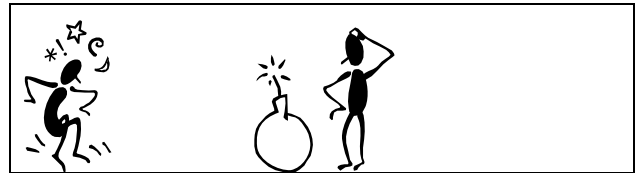


Reaction time in seconds

Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds



Year 10: 0.36, 0.3, 0.36, 0.5, 0.36, 0.46, 0.48, 0.42, 0.32, 0.24, 0.4, 0.8, 0.64, 0.44, 4, 0.46, 0.38, 0.32, 0.42, 0.38

Year 5: 0.64, 4, 4, 0.66, 1.08, 3.5, 0.44, 4, 0.58, 0.5, 0.38, 0.5, 0.5, 0.52, 0.6, 0.6, 0.74, 0.56, 4, 4

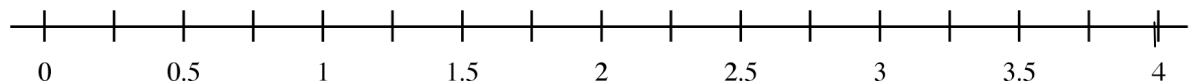
Analysis



5-number summary	Year 10	Year 5

Year 10

Year 5

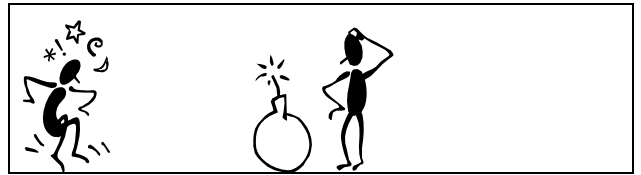


Reaction time in seconds

Conclusion



Ready, Steady, Go!



Problem

Do Year 10 students have faster reaction times than Year 5 students?



Plan

Using the CensusAtSchool survey take a random sample of size 20 from each population.



Data

Data in seconds



Year 10: 0.3, 0.44, 0.54, 0.34, 0.34, 1.22, 0.46, 0.46, 0.48, 0.38, 0.44, 0.28, 0.32, 0.66, 0.76, 0.38, 0.38, 0.48, 0.54, 0.4

Year 5: 4, 0.4, 0.62, 4, 4, 4, 0.44, 0.56, 0.52, 0.64, 0.44, 1.48, 0.36, 0.46, 1.74, 0.34, 1.16, 0.9, 1.22, 0.54

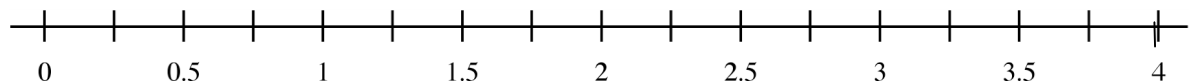
Analysis



5-number summary	Year 10	Year 5

Year 10

Year 5



Reaction time in seconds

Conclusion

