

welcome





Aernout Kruithof



Sumalee Udomboonyanupap



Stefan Heijboer



Luciana Ribeiro Monteiro

Our team: In the room: students,  
Gerbera Vledder, Xinhe Yao,  
Maxim Smulders and Wolf Song

# Program

- 13:00 Welcome – Peter Vink
- 13:05 Keynote presentation by Arlette van der Veer, KLM
- 13:35 Mark Broekhans, KLM
- 14:05 Justus Benad, TU-Delft
- 14:30 Break (tour 3d scanning/chaise longue),
- 15:10 Peter Vink, TU-Delft
- 15:30 Gerbera Vledder, TU-Delft
- 15:45 Wolf Song, TU-Delft
- 16:30 Network drink
- 17:00 End of program



ComfDemo





Data for a demonstrator to test new turboprops or electric propeller driven airplanes







ComfDemo experiment June 22, 2021:  
pilot on factors influencing comfort





Lübeck Air

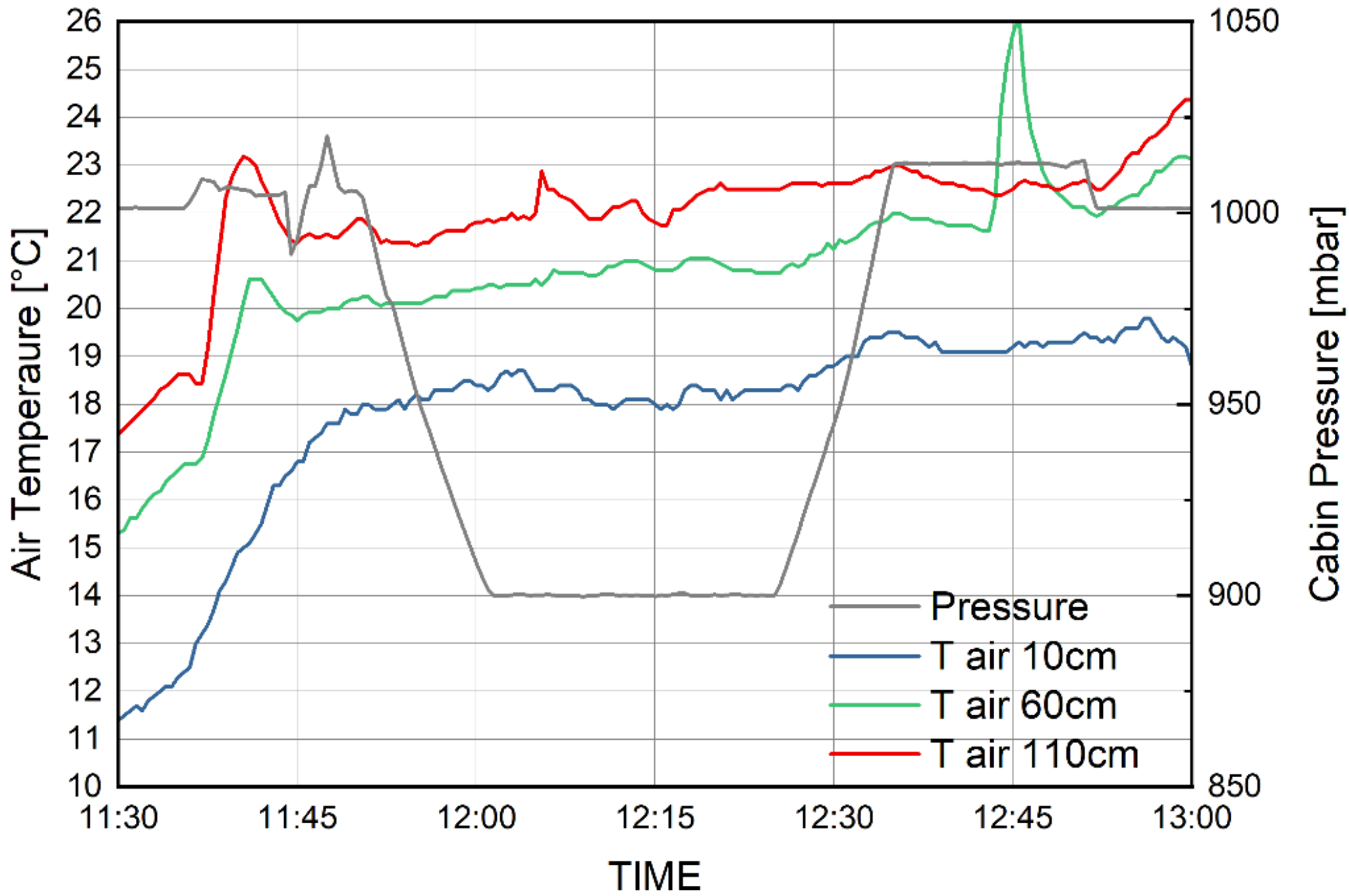
KL484010





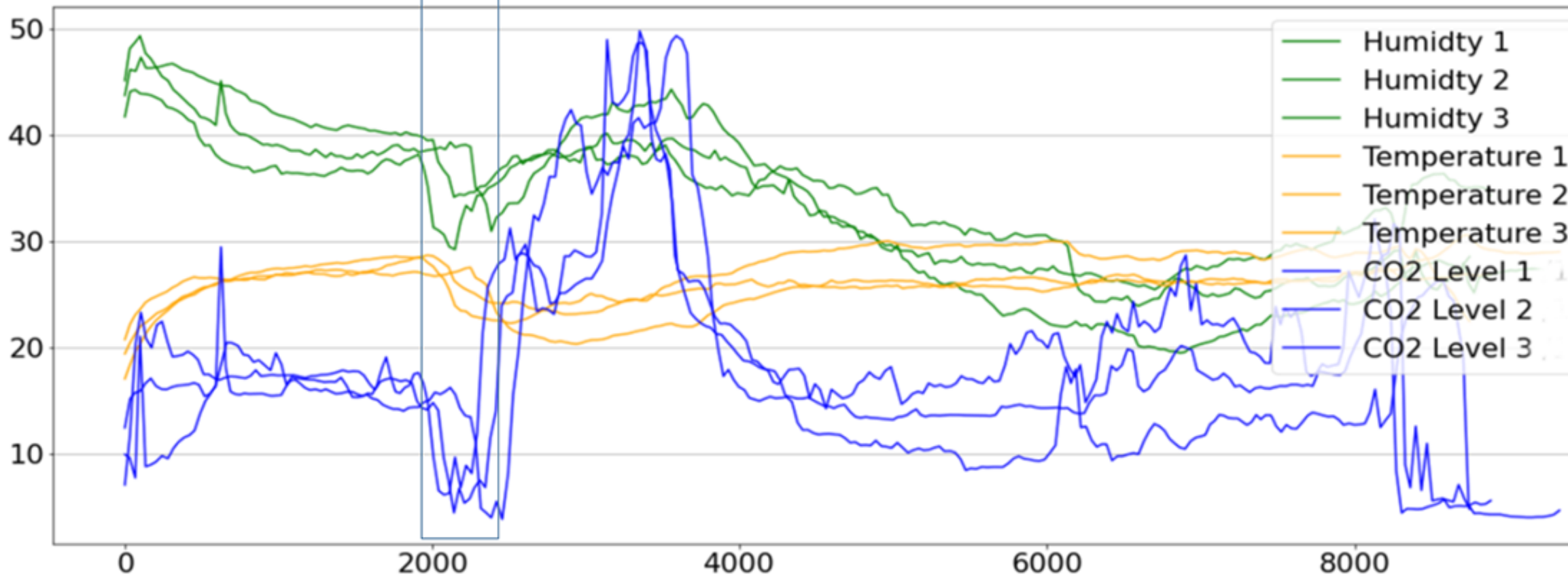
Quiet, 35" pitch (much legroom)

# Temp. flight 1



bus platform airplane

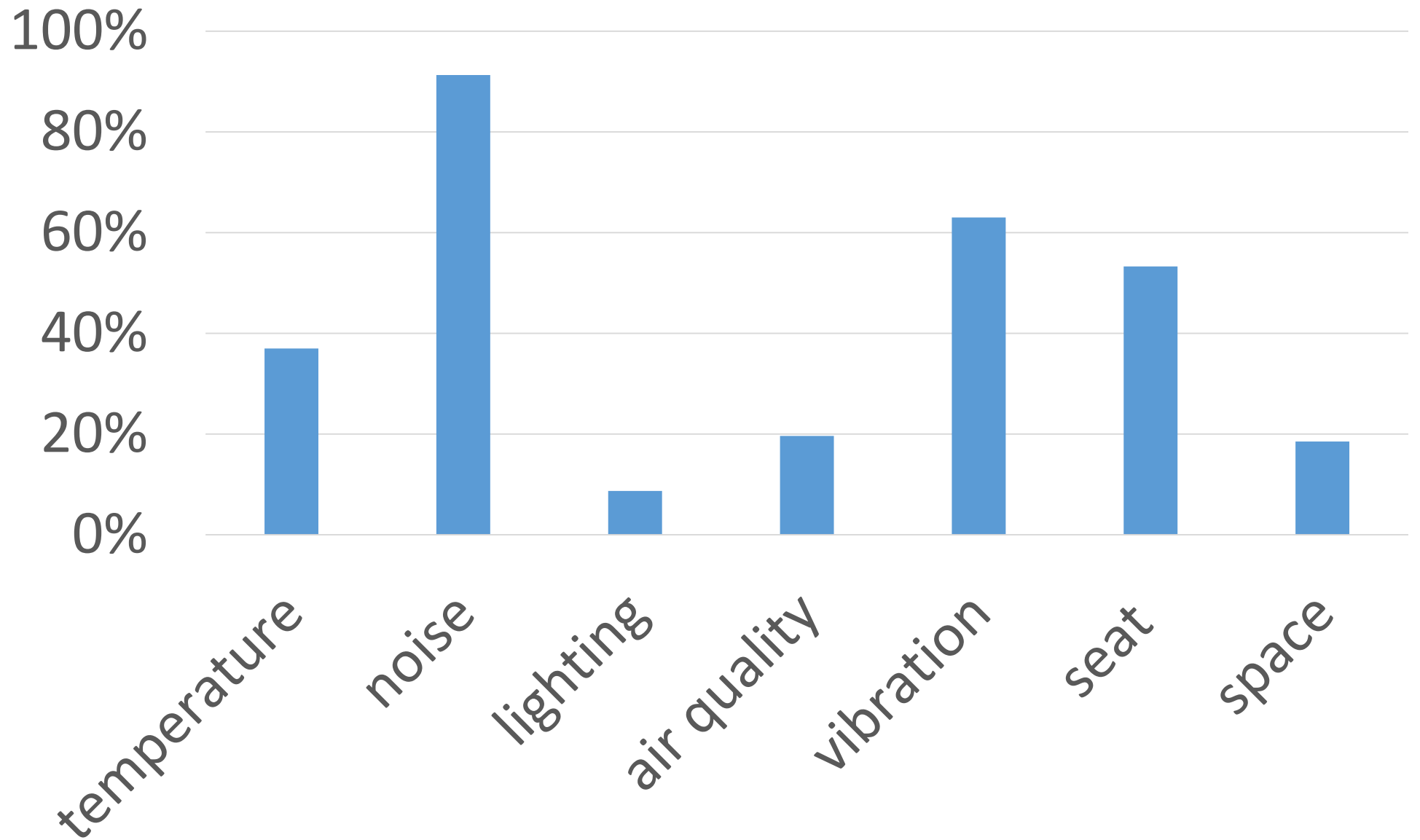
Preliminary jacket data 3 participants



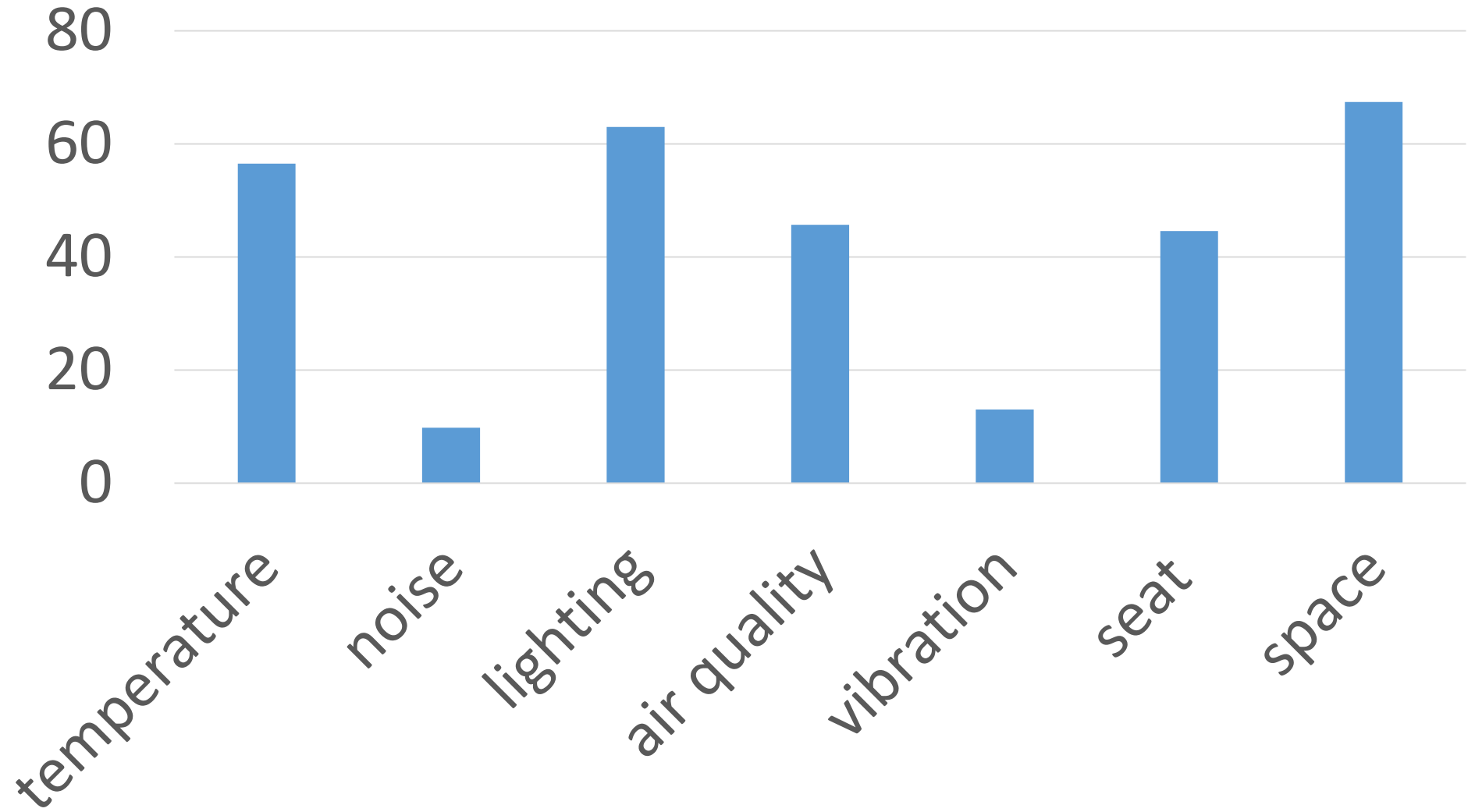


*% of 94  
passengers  
reporting  
this factor  
influencing  
discomfort*

*Turboprop*



*% of 94  
passengers  
reporting  
this factor  
influencing  
comfort .*

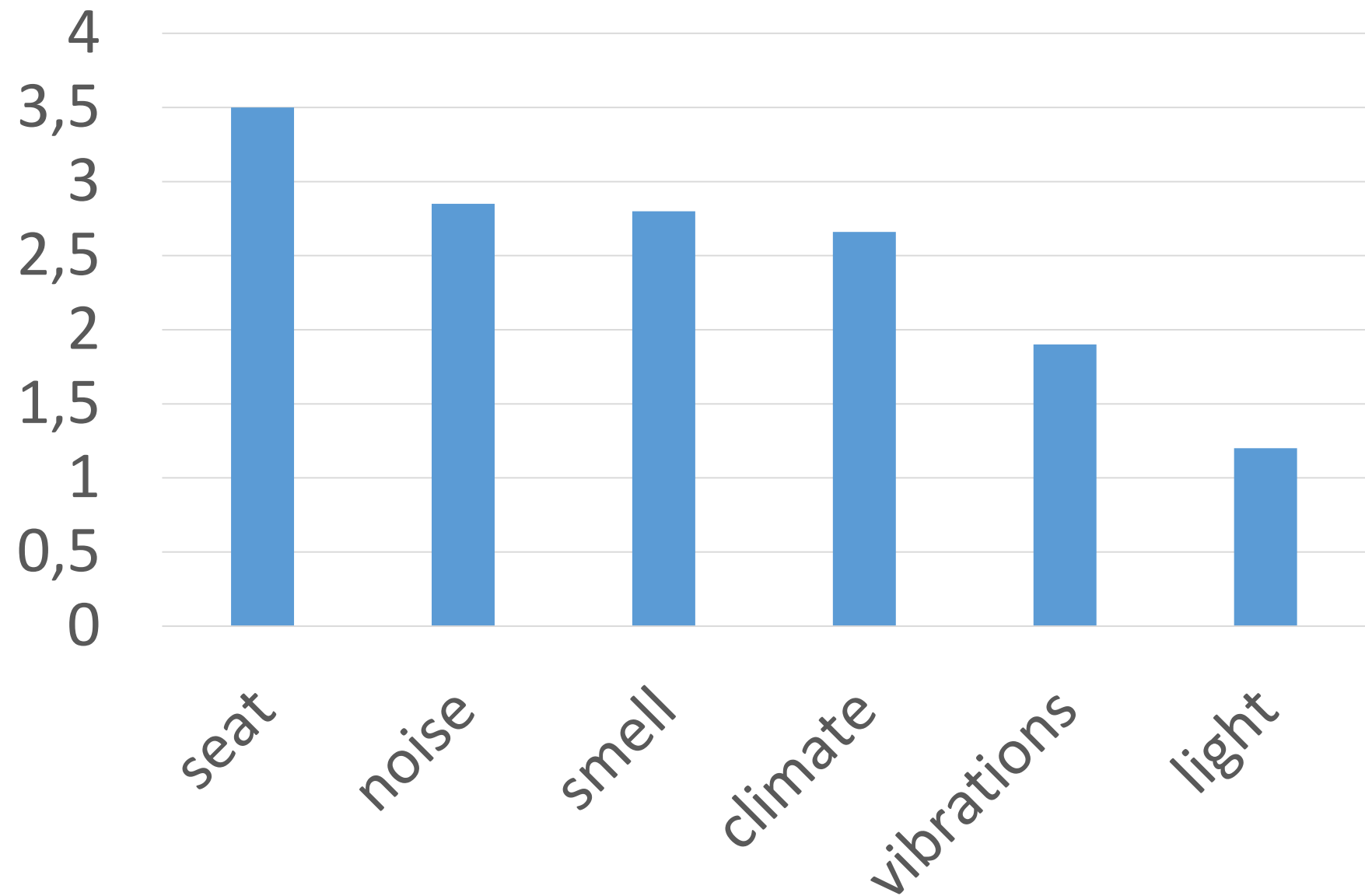


*Turboprop*



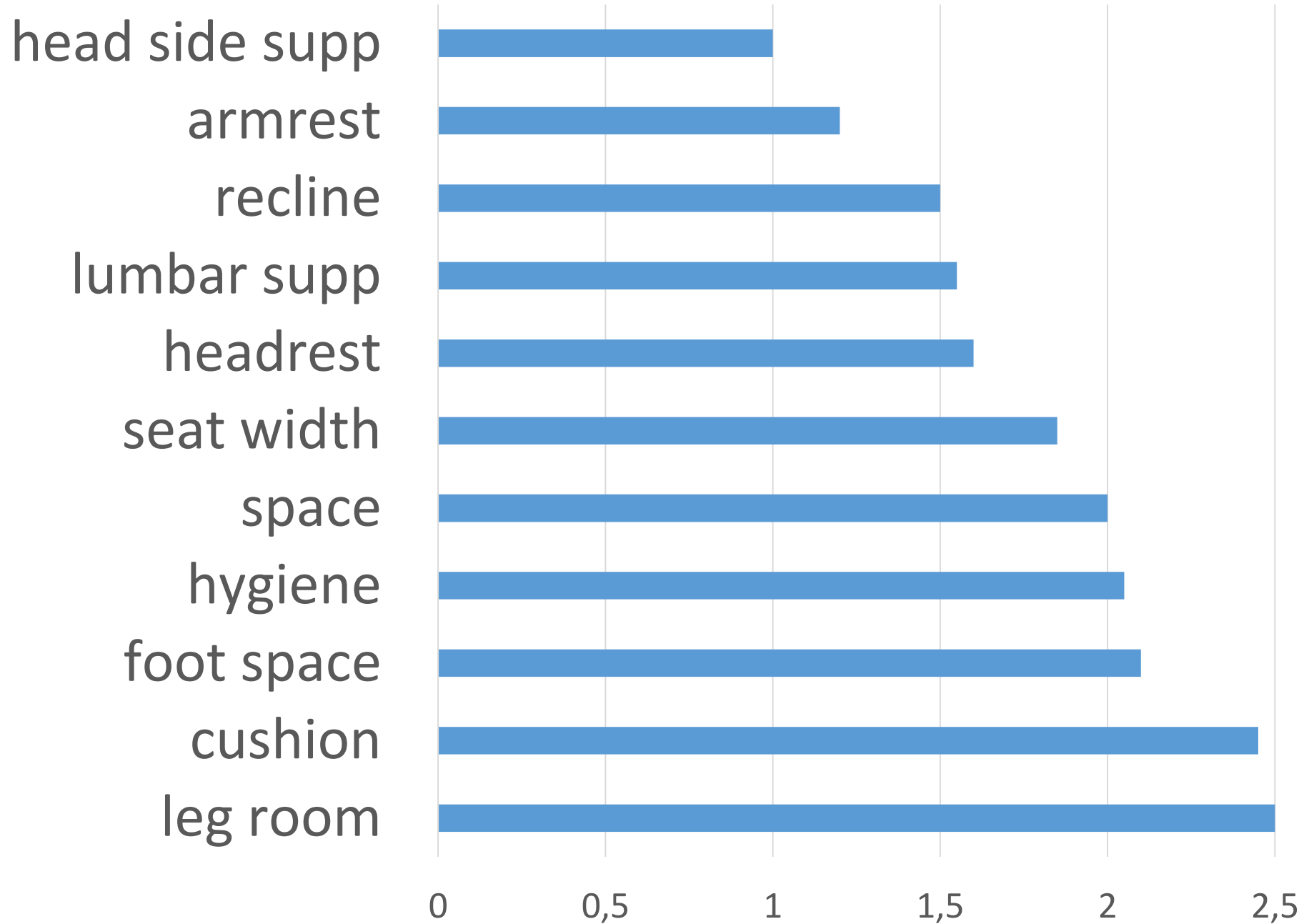
*Importance  
of the factor  
for **comfort**  
(n=193)  
(Bouwens et  
al., 2018)*

*JET*





*Importance  
of the factor  
for seat  
comfort  
(n=246)  
(Bouwens,  
2018)*



Conclusion: take care of cold feet

Jet: **seat** has priority, followed by noise and smell, within the seat **legroom**

Turboprop: **noise** has priority followed by vibration and seat

