

AIRCRAFT SEAT PITCHING: THE STUDY OF PASSENGER SEAT

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AIRLINES TRY AND PACK AS MANY PEOPLE ON BOARD AS POSSIBLE - WHICH ALSO MEANS LESS LEG ROOM

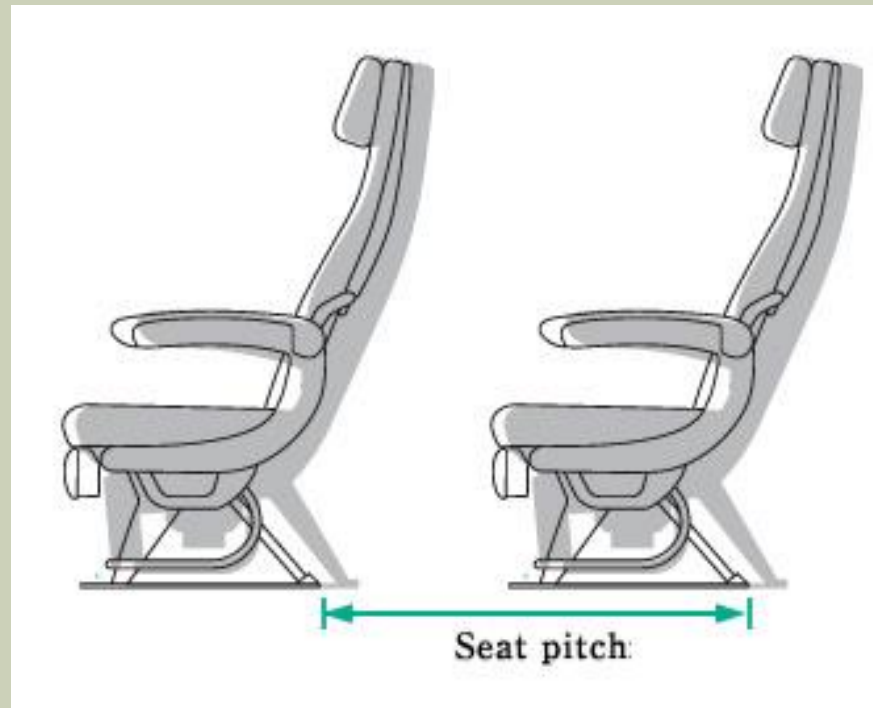
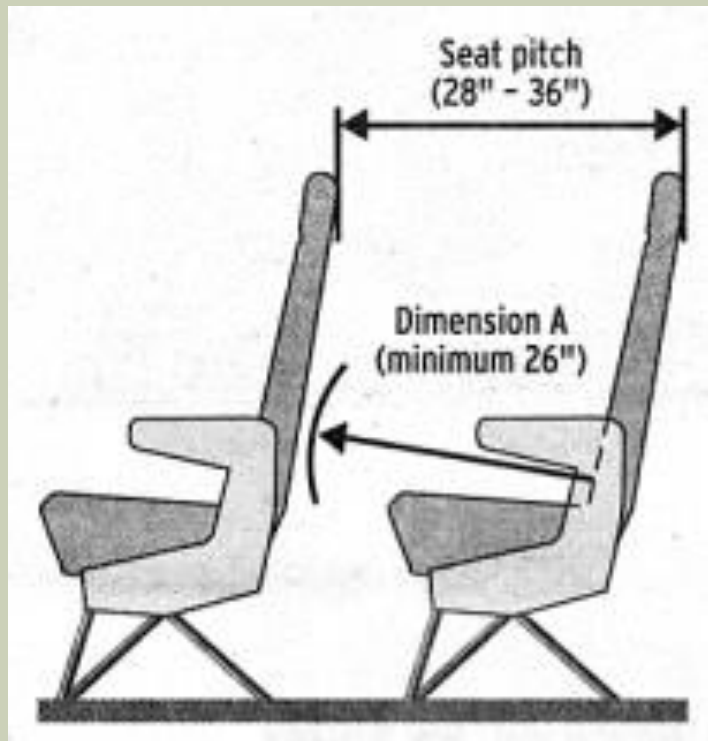


SEAT COMFORT (UNCOMFORTED)

- How to preventing this!
- "Fly business class." I can't afford his advice.

- Research Finding;
 1. To expressing the factors influencing their well-being and comfort sensations for different seat pitches.
 2. To studying the solution way of aircraft seat

THE AVAILABLE LEGROOM AND SPACE FOR PASSENGERS ARE FOCUSED BY SEAT PITCH.



AVERAGE SEAT PITCH

- The longest seat pitch (Regular Economy Seat) is at 34 Inches
- Jetblue : 34 inches (A320)
- Aeromexico and Interjet: 34 inches
- Japan Airlines and Turkish Airlines: 33-34 inches
- South African Airways: 33.5 inches
- ANA and EVA Airways: 32-34 inches
- Asiana and Air China: 32-33 inches

With around 18 Inches Width

AVERAGE SEAT PITCHING

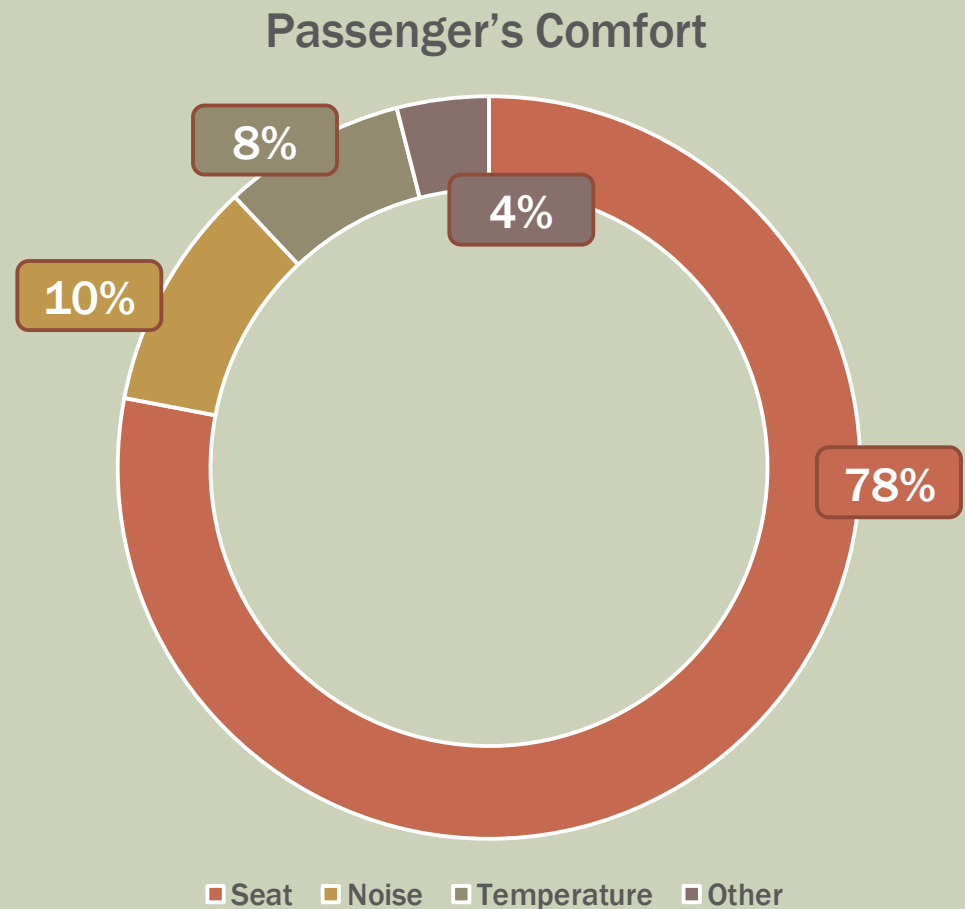
- The shortest seat pitch (Regular Economy Seat) is at 28 Inches
- Cebu Pacific (A321 Neo)
- HK Express (A321)
- Jet Star (A321)
- Scoot Air (A320)

With 18 Inches Width

In Average 29 - 32 Inches

PASSENGER'S COMFORT

- passengers rated seat comfort as the most important factor influencing discomfort, followed by noise and temperature.



10 EXPRESSIONS

Postural sensation:

- I can easily adopt a comfortable sitting posture
- I can change easily from one sitting posture to another

Spatial perception:

- I feel restricted
- I feel restricted by the seat-width
- I feel restricted by the distances of the armrests
- I feel restricted by the distance of the seating rows
- I feel restricted by my seatmate
- I feel like sitting in front of a wall

Privacy:

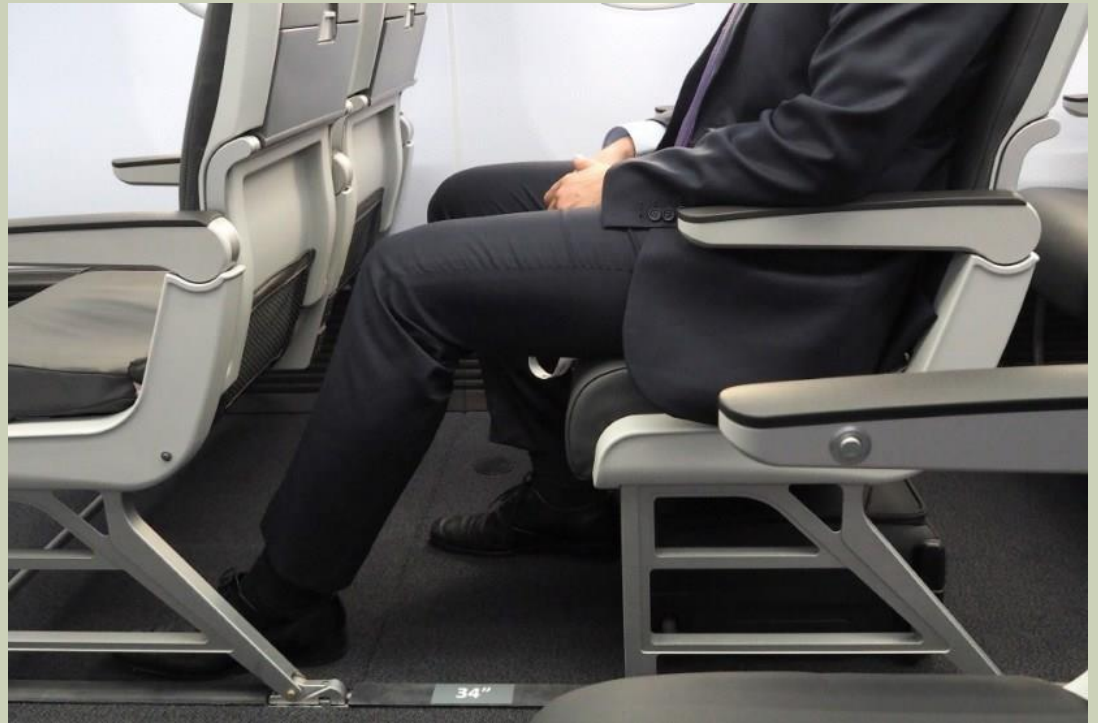
- I feel lost because of the distance of the seating rows

Present mood:

- I feel stressed out because of the distance of the seating rows

ANTHROPOMETRIC MEASURES

- stature
- sitting height
- eye height sitting
- acromial height sitting
- elbow height sitting
- knee height sitting
- buttock to knee length
- hip width
- shoulder width



CONCLUSION

- Some airline gives/sells “Therm-a-Rest pillow” to give proper back support and will fold up small into a carry-on bag
- sky blue or blue color seat make passenger feel brighter and more comfort
- Short flight likely uses leather (PU leather)
- Whereas, fabric seat has been use in long haul flight.



RECOMMENDATION

- Trying to look for the best seat form the website before booking is one of the technique as you can find from www.seatguru.com.
- If you want the quiet zone, you have to seat at the front wheel area or seat at the aisle seat.
- Tall person should seat at the emergency exit of front roll

The FAA, however, regulates for airline safety, not passenger comfort. The FAA's metric for deciding whether to approve an aircraft's seating configuration is whether the cabin can be evacuated in 90 seconds in the event of an emergency.

FUTURE AIRCRAFT



THANK YOU

Paper Name

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