Week 7 Bibliographies

Ben Viscosi

3/16/2021

1 Abstract:

[1] This article details the results of a study performed in South Korea that involved using machine learning to predict 5g mobile adoption by consumers. Due to the fact that South Korea was the first country to roll out mobile devices with 5g access, this was a crucial prediction for local mobile device companies. The simulation results suggest that 5g will be adopted more quickly in the area than 4g was.

2 Abstract:

[2] This article details the potential adverse health effects of the mass implementation of 5g technology. The studies discussed in this paper examined the effects of non-ionizing non-visible radiation emitted by 5g signals on the human body. Although the study was performed in a lab and emphasis is placed on the fact that real world effects might vary greatly due to signal pulsing and modulation as well as other factors, the results showed that this specific type of radiation can have detrimental effects on the skin, eyes, and systemic health of exposed individuals.

References

[1] Jae H Jahng and Seung K Park. Simulation-based prediction for 5g mobile adoption. *ICT Express*, 6(2):109–112, 2020.

[2] Ronald N Kostoff, Paul Heroux, Michael Aschner, and Aristides Tsatsakis. Adverse health effects of 5g mobile networking technology under real-life conditions. *Toxicology Letters*, 323:35–40, 2020.