

# ELECTRIC CAR

ABDRAKHMANOV DANIYAR



# Outline of the literature review

1. Positive and negative spillover effects from electric car purchase to car use
2. Indirect environment-related effects of electric car vehicles use
3. Does electric car produce emissions?
4. Personal Values, Green Self-identity and Electric Car Adoption
5. Electric car with solar and wind energy may change the environment and economy: A tool for utilizing the renewable energy resource



# 1. Positive and negative spillover effects from electric car purchase to car use

Christian, A.K., Alim, N. & Mehmet, M.

---

## Research problems/questions

electric car or petrol?

## Methodology

sample based on data from the Public Roads Authority database

## Findings

an electric car is mainly bought as an additional car

---

## 2. Indirect environment-related effects of electric car vehicles use

Bogdan, O. V., & Florin, M.

### Research problems/questions

indirect environment-related effects of electric car vehicles use

### Methodology

computer simulation

### Findings

power plants to charge electric vehicles still make gas emissions

### 3. Does electric car produce emissions?

Rievaj, V., & Synák, F.



---

#### Research problems/questions

comparing the emissions of an electric vehicle with a petrol one

#### Methodology

use of tables that show the amount of gas emissions in different sectors

#### Findings

electricity production can also produce greenhouse gases



# 4. Personal Values, Green Self-identity and Electric Car Adoption

Camilla, B., Patrick, D. P., & Ingrid, M.

## Research problems/questions

electric car as a factor of environmental value

## Methodology

use of conceptual models and surveys

## Findings

most electric car users use it as a "green" self-identification



## 5. Electric car with solar and wind energy may change the environment and economy: A tool for utilizing the renewable energy resource

Quanhua, L.

---

### Research problems/questions

energy and environmental issues

### Methodology

conducting a study based on data from the National Centers for Environmental Prediction (NCEP) and the National Center for Atmospheric Research (NCAR)

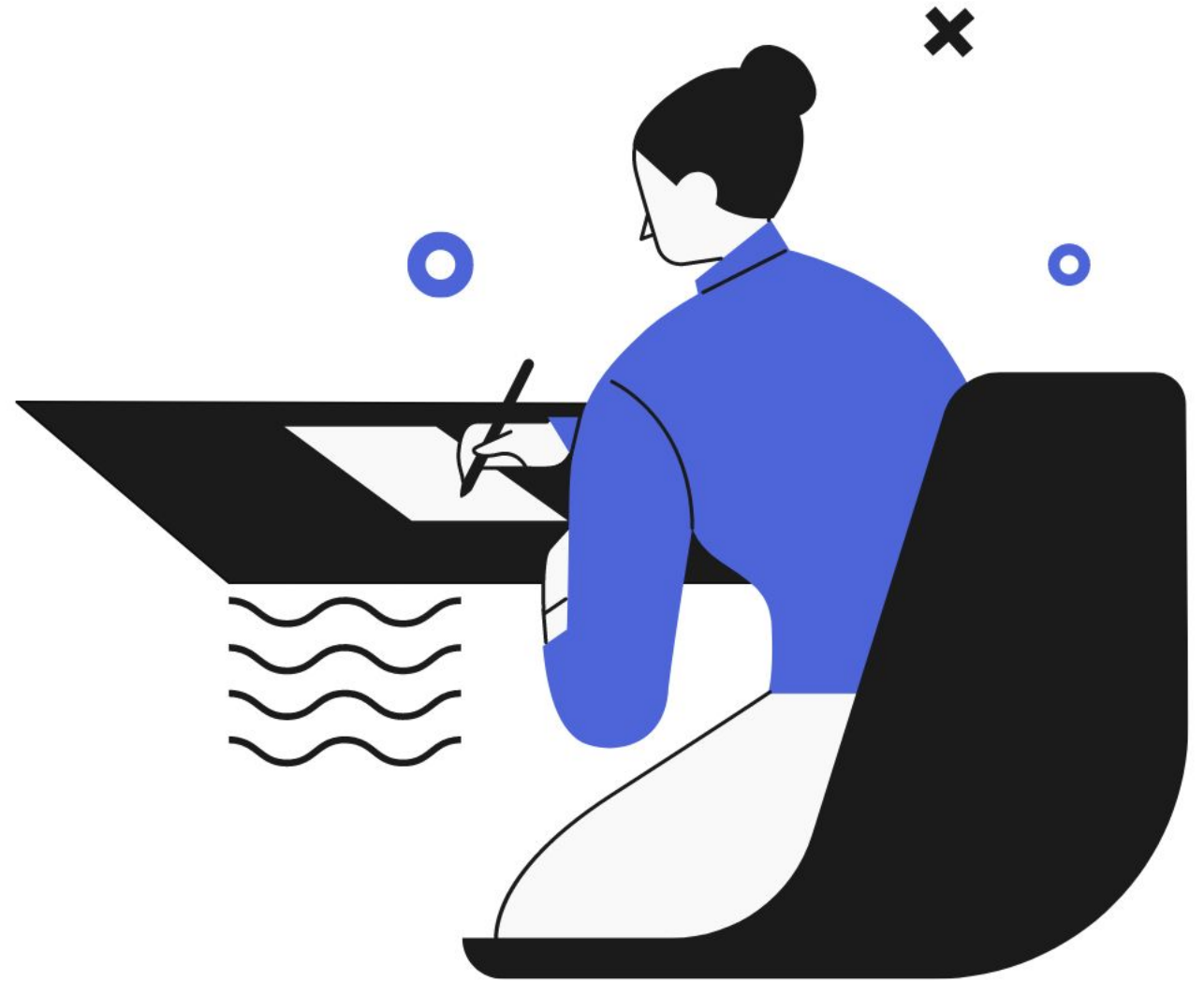
### Findings

Using the renewable energy can ease pollution and reduce CO2 emission.

---

# CONCLUSION

Still, the electric car is indirectly harmful to the environment.





# References

**Christian, A.K., Alim, N. & Mehmet, M. (2013, June).** *Positive and negative spillover effects from electric car purchase to car use.*  
<https://doi.org/10.1016/j.trd.2013.02.007>

**Varga, B. O., & Mariasiu, F. (2018, July).** *Indirect environment-related effects of electric car vehicles use.*  
[http://www.eemj.icpm.tuiasi.ro/pdfs/vol17/full/no7/8\\_491\\_Varga\\_14.pdf](http://www.eemj.icpm.tuiasi.ro/pdfs/vol17/full/no7/8_491_Varga_14.pdf)

**Rievaj, V., & Synák, F. (2017, January 21).** *Does electric car produce emissions?*  
[https://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-0ff3459f-f164-4ee1-a494-53dccdc966c1/c/ZNOT\\_2017\\_z.94\\_Rievaj.pdf](https://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-0ff3459f-f164-4ee1-a494-53dccdc966c1/c/ZNOT_2017_z.94_Rievaj.pdf)

**Barbarossa, C., De Pelsmacker, P., & Moons, I. (2017).** *Personal values, green self-identity and electric car adoption.*  
<https://doi.org/10.1016/j.ecolecon.2017.05.015>

**Liu, Q. (2013, December 13).** *Electric car with solar and wind energy may change the environment and economy: A tool for utilizing the renewable energy resource.*  
<https://doi.org/10.1002/2013EF000206>

**THANK YOU  
FOR YOUR  
ATTENTION**

