

# Latex Example, Pandoc Conversion

Fan Wang (University of Houston)

December 21, 2019

## 1 Equation Test

Inline:  $\sigma_y = \sqrt{\sum_y P(Y = y) \cdot (y - \mu_y)^2}$

$$\Omega^{\max} = \exp(z^{\max}) \cdot (\Lambda^{\max})^\alpha$$

$$\sum_{i=0}^{\infty} a_i x^i \tag{1}$$

## 2 Citation Testing

Becker and Tomes ([1986](#)) is a paper on Human Capital. Early childhood health and economic circumstances could have lasting effects on adult socioeconomic outcomes (Case, Fertig, and Paxson [2005](#)).<sup>1</sup>

## 3 URL Test

- [Fan Wang Site](#)
- [Fan Wang Dynamic Asset Code Repository](#)

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1. "In this article, we develop a framework for analyzing the causal effects of interventions in the presence of latent factors that could affect outcomes, even in the absence of interventions" (Conti and Heckman [2010](#)).

## 4 Pandoc

### 4.1 Install and convert Tex to Word

For editing latex files in word to benefit from tracked changes.

1. install pandoc: [Pandoc Site Installation Link](#)
2. open up command line
3. *cd into where tex file is:* `cd C:/Users/fan/TeX4Econ/_other/pandoc`
4. *run this for tex to word:* `pandoc -s fansample.tex -o fansample.docx`

### 4.2 Convert from Tex to Word with bibliography

1. *run this for word to tex:* `pandoc -bibliography=fansample.bib -o fansample.docx fansample.tex`

### 4.3 Convert from Word from Tex

1. *run this for word to tex:* `pandoc -s fansample.docx -o fansampleBACK-DOCX.tex`

## References

- Becker, Gary S, and Nigel Tomes. 1986. "Human Capital and the Rise and Fall of Families." *Journal of Labor Economics* 4 (3): S1–39. Accessed February 15, 2012. <http://ideas.repec.org/a/ucp/jlabec/v4y1986i3ps1-39.html>.
- Case, Anne, Angela Fertig, and Christina Paxson. 2005. "The lasting impact of childhood health and circumstance." *Journal of health economics* 24, no. 2 (March): 365–389. ISSN: 0167-6296, accessed June 13, 2012. doi:[10.1016/j.jhealeco.2004.09.008](https://doi.org/10.1016/j.jhealeco.2004.09.008). <http://www.ncbi.nlm.nih.gov/pubmed/15721050>.

Conti, Gabriella, and James J Heckman. 2010. "Understanding the Early Origins of the Education–Health Gradient." *Perspectives on Psychological Science* 5, no. 5 (September 1): 585–605. ISSN: 1745-6916, 1745-6924, accessed February 16, 2012. doi:[10.1177/1745691610383502](https://doi.org/10.1177/1745691610383502). <http://pps.sagepub.com/content/5/5/585.abstract>.