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COSMOLOGY  
WITH THE  
DARK ENERGY SURVEY:  
COUNTS-IN-CELLS  
AND  
BARYON ACOUSTIC OSCILLATIONS

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# Acknowledgements





# Authorship



# Summary



# Chapter 1

## Introduction



## Chapter 2

# Large-scale structure of the Universe





## Chapter 3

# Simulations and observations



## Chapter 4

# The Dark Energy Survey



## Chapter 5

### Photo-z: GAz



## Chapter 6

# Counts-in-Cells





## Chapter 7

# Baryon Acoustic Oscillations



## Chapter 8

# Closure

