

# Bike Sharing App

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# Table of contents

1

Introduction

2

Naming Strategy and Ontology

3

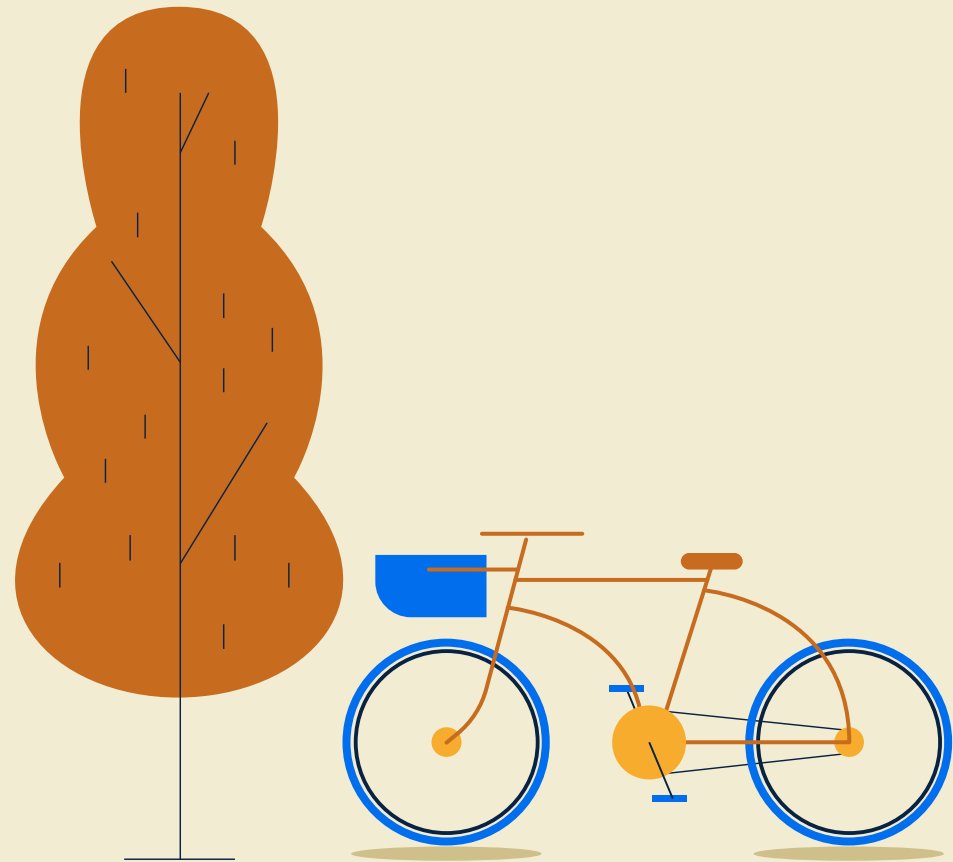
Cleaning and Mapping

4

Linking

1

# Introduction



# Introduction

Washington DC - Bike Sharing: [Repo](#)

## Pros

- No null values
- Clean data

## Cons

- Unclear data values
- No clear classes within the attributes

License: Database Contents License (DbCL) v1.0

2

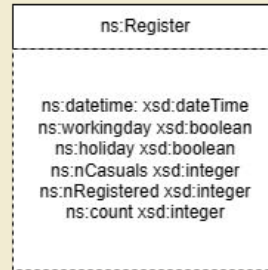
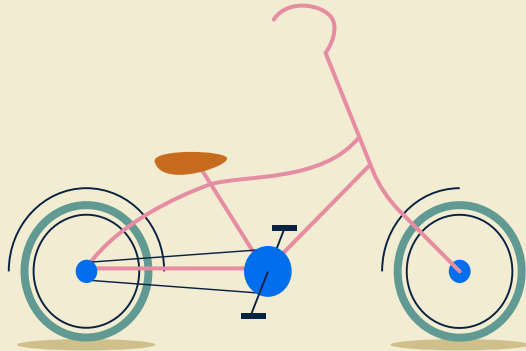
# Naming Strategy and Ontology



# Naming strategy and ontology

dc:creator: Group09  
owl:versionInfo: "0.0.2"  
dc:title: Bike Renting Ontology

ns: <http://bikesharingsystem.linkeddata.org/bsh/ontology/BikeSharing#>  
rdfs: <http://www.w3.org/2000/01/rdf-schema#>  
owl: <http://www.w3.org/2002/07/owl#>  
dc: <http://purl.org/dc/elements/1.1/>  
xsd: <http://www.w3.org/2001/XMLSchema#>  
obo: [http://purl.obolibrary.org/obo/NCIT\\_C94729#](http://purl.obolibrary.org/obo/NCIT_C94729#)



ns:hasSeason

obo:Season

obo:Season xsd:string

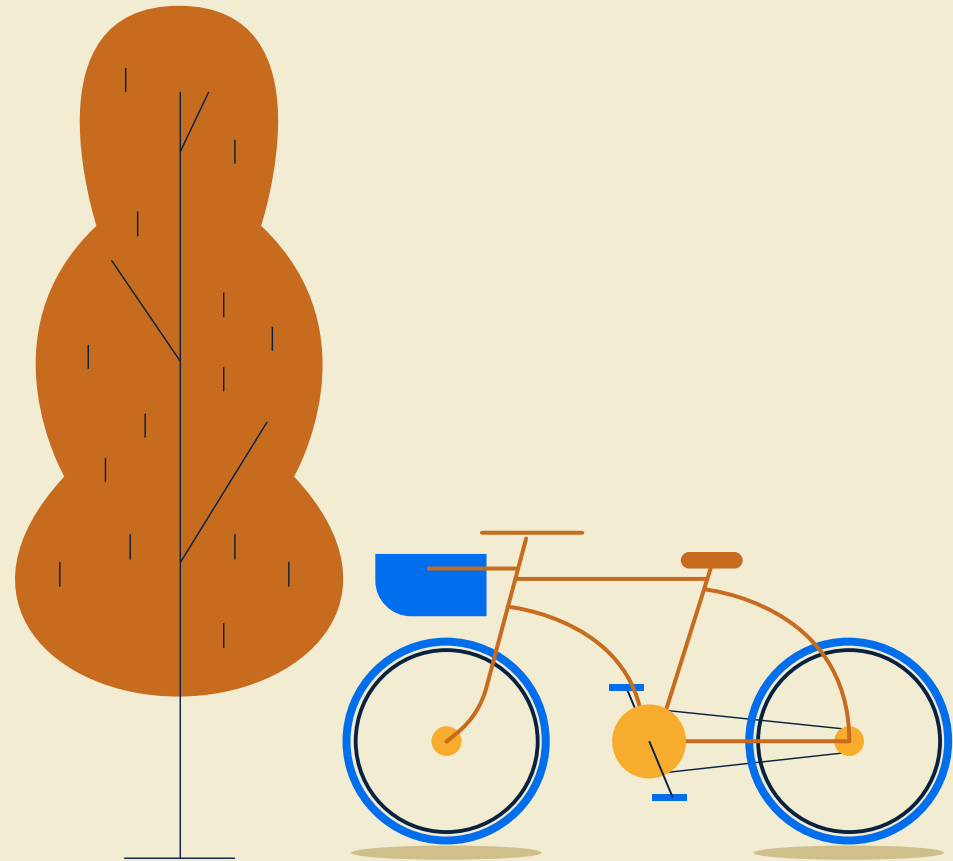
ns:hasWeather

ns:Weather

ns:temp xsd:float  
ns:humidity xsd:float  
ns:atemp xsd:float  
ns:windspeed xsd:float

3

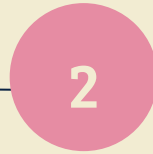
# Cleaning and Mapping



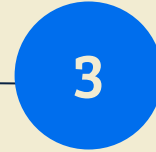
# Cleaning and Mapping



Transform data  
types



Season  
attribute



Create RML  
mapping

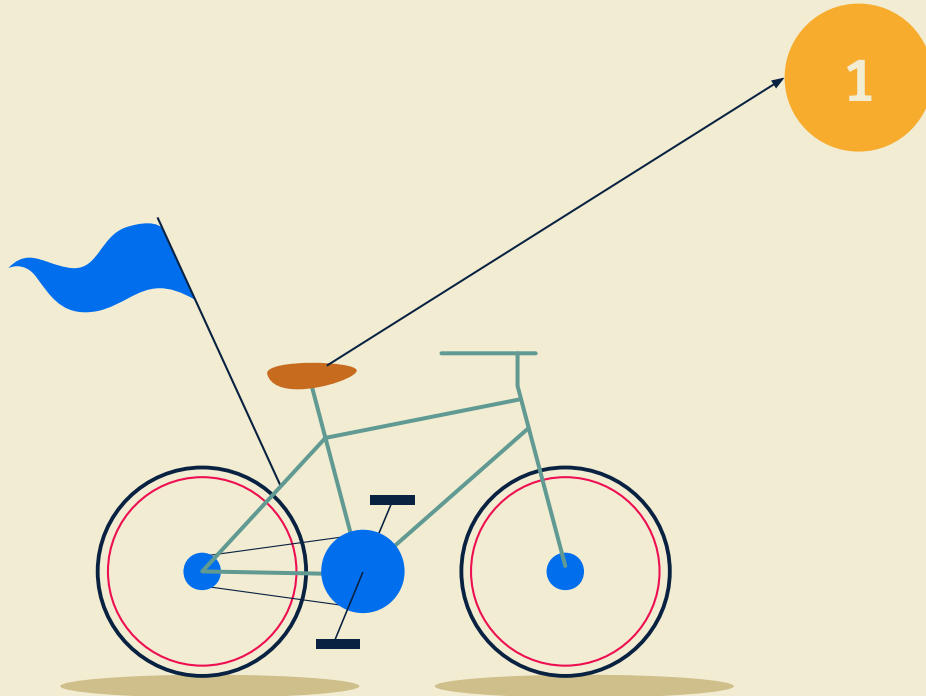


4

# Data Linking



# Linked Data



**Season**

[Ontobee: NCIT](#)



**App**



# Thanks

Do you have any questions?