

TDW 18

INTRODUCTION TO POWERBI

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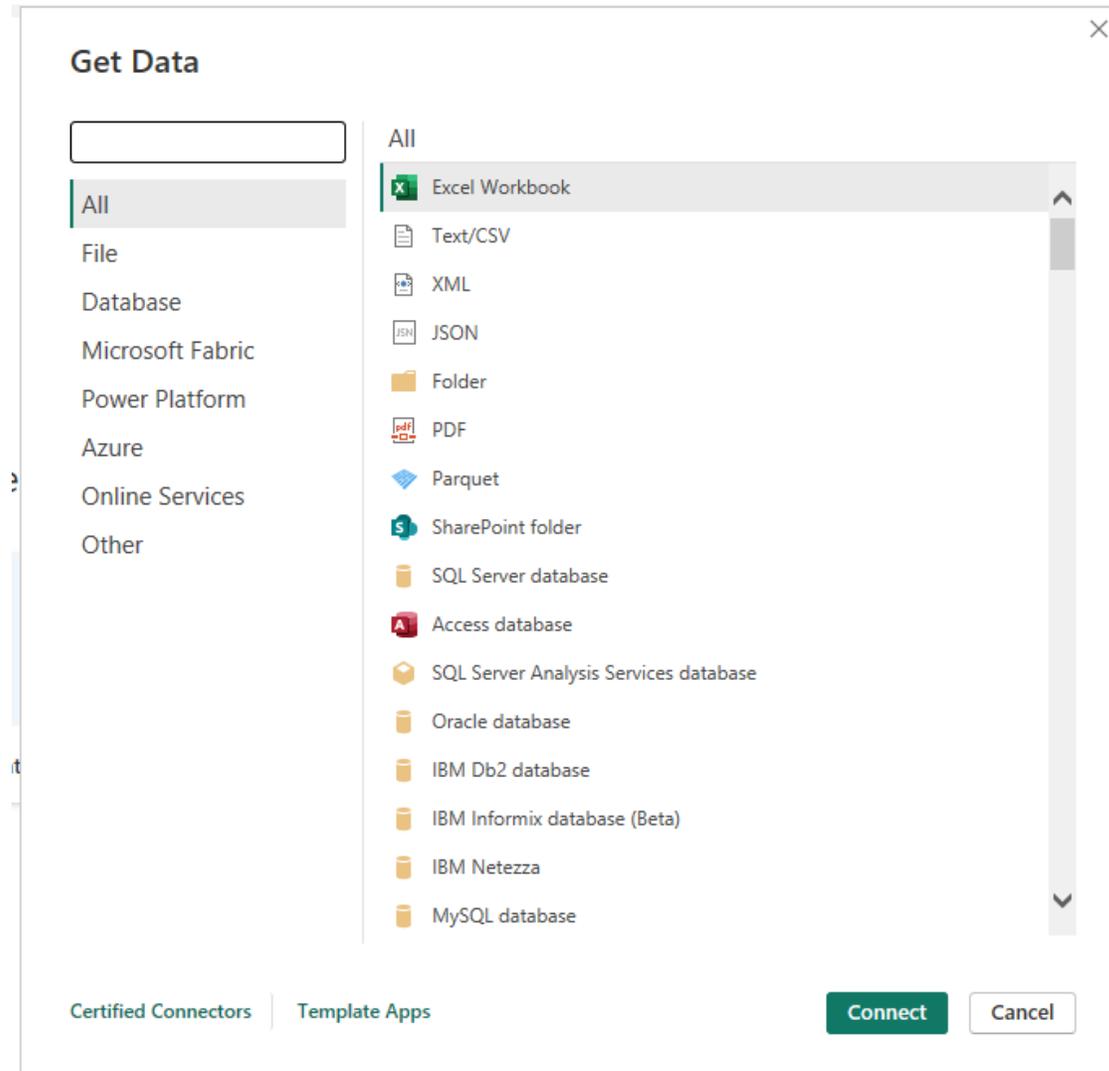
Outline

- What is PowerBI
- Current use cases at SPC
- Future plan

What is PowerBI

- Microsoft reporting ecosystem
- Two main products:
 - PowerBI Desktop (local)
 - PowerBI Service (cloud)
- Basic features free of charge
- PowerBI app

Getting data



Cleaning / editing data & model

File Home Transform Add Column View Tools Help

Close & Apply, New Source, Recent Sources, Enter Data, Data source settings, Manage Parameters, Refresh Preview, Properties, Advanced Editor, Manage, Choose Columns, Remove Columns, Keep Rows, Remove Rows, Sort, Split Column, Group By, Data Type: Text, Use First Row as Headers, Replace Values, Merge Queries, Append Queries, Combine Files, Text Analytics, Vision, Azure Machine Learning

Queries [11]

= Source{[Schema="dbo",Item="ayr"]}[Data]

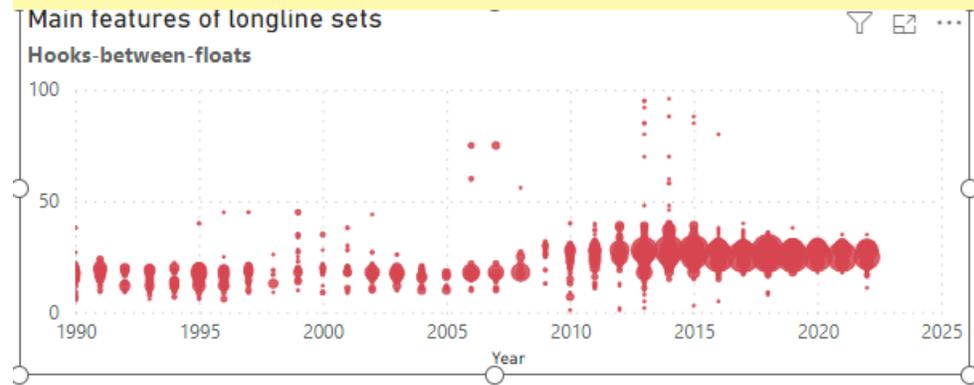
	gear	flag_id	yy	mondate	ez_id	in_arch	days
	Valid 100%, Error 0%, Empty 0%						
	1 distinct, 0 unique	5 distinct, 0 unique	33 distinct, 0 unique	33 distinct, 0 unique	4 distinct, 0 unique	2 distinct, 0 unique	1 distinct, 0 unique
1	Other	JP	1990	1990-01-01	I6	FALSE	
2	Other	JP	1990	1990-01-01	I6	FALSE	
3	Other	JP	1990	1990-01-01	I6	FALSE	
4	Other	JP	1990	1990-01-01	I6	FALSE	
5	Other	IP	1990	1990-01-01	I6	FALSE	

Creating reports

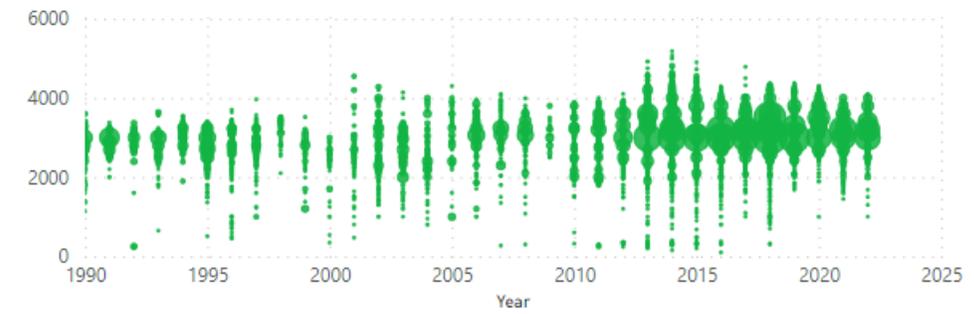
Stop viewing

Main features of longline sets

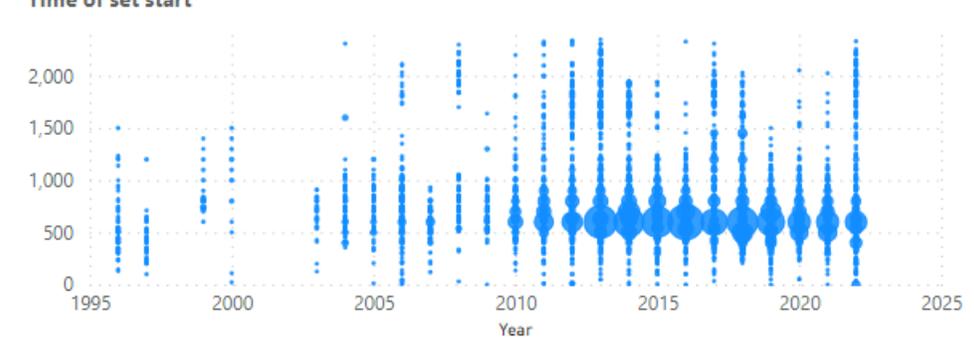
Hooks-between-floats



Number of hooks per set



Time of set start



Build

Visual types

Filters on this visual

- Count of ID is (All)
- hk_bt_fit** is greater than 0
- yy is (All)

Add data fields here

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

Values

+Add data

X Axis

yy

+Add data

Y Axis

hk_bt_fit

Legend

+Add data

Size

Count of ID

Play Axis

Data

Search

- ae_ll
- ae_tuna_s_raw_3
- aggr_effort_l_best_wide
- aggr_effort_l_set
 - ez_id
 - flag_id
 - gear
 - Σ hk_bt_fit
 - Σ hook
 - Σ ID
 - Σ latd
 - latitude
 - Σ lond
 - longitude
 - Σ set_start
 - Σ yy
- ayr
- ayr_wide
- condense_school_id
- Countries
- EEZs
- observer_S

Current use cases

- **PowerBI Desktop**
 - Monitor data entry, coverage, loading external files, cleaning data etc
 - Internal staff training
- **PowerBI Service**
 - Share reports internally
 - Public data sharing (FAME results)

Future plan

- **Country web page**
 - Upgrade of the current website
- **Data quality cube**
 - Monitor the quality / issues in your data
- **PowerFish**
 - Webapp to access your data (obsv, logsheet, em, etc)

Quick Demo

Thank you!

Questions and remarks..

