Accessing Palmer LTER Data (Instructions for Datazoo)

- Datazoo is the name of the data catalog (online data portal) for all of the available online Palmer LTER data. You can access the data via: <u>http://oceaninformatics.ucsd.edu/datazoo/data/pallter/datasets</u> (Use Step 1.a. if you are required to "Log In" to access the datasets):
 - a. Select the "Log In" button in the top-right corner of the webpage and register as a public user by entering your NAME, EMAIL, and EDUCATION (K-12)

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	Guest access to publicly available data
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	By logging in you accept the following data-use agreement
	Agreement
	The data available here are intended for scholarly use by the academic research community, with the express understanding that data users will properly acknowledge the originating investigator. Use or reproduction of any material herein for any commercial or redistribution purposes is prohibited without prior written permission from the responsible party.
	Data collected under the auspices of the Palmer Station Antarctica (PAL) LTER are available to the public after primary publication, or at most two

b. Once registered, you will be able to access the Adelie Penguin Diet Composition dataset at: <u>http://oceaninformatics.ucsd.edu/datazoo/data/pallter/datasets</u>

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Annual Cruise (28) Other (13) Station Season (33)	87 Adelle Penguin Census Adelle penguin area-wide breeding population census, 1991 - present.	Fraser, William	1991 - 2014
LMG00-01 (12) LMG01-01 (12) LMG02-01 (11)	86 Adelie Penguin Chick Broods Adelie penguin 1:2 chick nest ratio, 1991 - present.	Fraser, William	1991 - 2015
LMG03-01 (15) LMG04-01 (15) LMG05-01 (15) LMG06-01 (16)	88 Adelie Penguin Chick Counts Adelie penguin colony-specific chick production, 1991 - present.	Fraser, William	1991 - 2015
	89 Adelie Penguin Diet Composition Adelie penguin diet composition, preliminary analyses of whole lavaged samples, 1991 - present.	Fraser, William	1991 - 2015
PAL0102 (16) PAL0203 (19) PAL0304 (18) PAL0405 (18)	97 Adelie Penguin Diet Composition, Fish Adelie penguin diet composition, Fish species and numbers, 1991 - present.	Fraser, William	1991 - 2015
PAL0506 (19) PAL0607 (17) PAL0708 (19)	96 Adelie Penguin Diet Composition, Krill Adelie penguin diet composition, krill size-frequency distribution, 1991 - present.	Fraser, William	1991 - 2015

c. Review the abstract to provide an overview of the dataset being used. Select the "View/Download" button in the bottom-right corner of the page.

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THE RY	Palmer Station Antarctica LTER Data catalog / Datasets / Adelie Penguin Diet Composition	
Datasets		
Studies / Data Sources	Adelie Penguin Diet Composition	
	Data Methods, Protocols, Files, etc.	
	Title Adelle penguin diet composition, preliminary analyses of whole lavaged samples, 1991 -	present.
	Astract The fundamental long-term objective of the seabird component of the Palmer LTER (PAL mean fitness (population growth rate) of regional penguin populations. Two hypotheses explained by changes in regional krill biomass, and the other proposing that long-term or over another in accordance with species-specific evolved life history affinities to sea ice region tends to favor the latter over the former. Since the inception of PAL Addie penguin penguins have increased dramatically, trends that are spatially and temporally coherent species whose life history is intimately linked to the presence of sea ice, while chinstray a Antarctic, where sea ice is a less permanent feature of the marine ecosystem. In contras mass of these three penguin species, changes in PAL krill abundances have exhibited no populations evident in our time series. Addelie penguin diet samples obtained in the field (see HEADER) are initially drained and resupension of the samples in fresh water to release fish toolths, squid beaks and othe diet samples into subsamples of primary and secondary prey components. Frimary prey squid amphipods, mysid shrimp, limpets and small clams. Each prey components in weigh Variability in diets within and between seasons is strongly linked to variability in the mary penguins hies within and between seasons is strongly linked to variability in the inst	I has been to identify and understand the mechanistic processes that regulate the have guided this research, with one suggesting that population mean fitness is best hanges in sea ice affects mean fitness by tipping the balance in favor of one species although these hypotheses are not nutually exclusive, current evidence in the PAL in populations have effectively collapsed, while those of gentoo and chinstrap with decreasing regional sea ice duration. Addie perquisms are an ice obligate polar and gentoo penguins are ice-intoierant species whose life histories evolved in the sub- t, although thill constitute the most important component of the summer distingtion of the sub- long-term trends, and thus fail to explain the divergent patterns in penguin weighed and returned to laboratories for further processing. This includes prove hard parts, and then drailing to a consistency that facilitates separating the components include kill and fifsh, and secondar procomponents include octopus, net dirotal weight) and. If possible, sorted according to species for further analyses, ine environment such as the presence or absence of sea lce and the timing and ny parameters.
	Keywords habitats, marine, taxonomy, birds, Population Studies, population and community properties, population dynamics LTER Data System Record http://dx.doi.org/10.6073/pasta/8fdf19a1127394ef9aa82a1dbc33ca27	Projects Palmer Station Antarctica LTER Creators Fraser, William (bfraser@3rivers.net) Contact
		PAL LTER Information Manager (paliter-im@ucsd.edu)
	Data	
	table AdellePenguinDiet Main data table for dataset	Rows: 746 Columns: 9
	Copyright Ocean Informatics - Scripps Institution of Oceanography, UCSD © 2019	

d. Select the "Download" button

	A https://oceaninformatics.ucsd.edu/datazoo/catalogs/pal	₪ ☆	Q Search	
	Palmer Station Antarctica LTER Data catalog / Datasets / Adelie Penguin Diet Composition / Data table			
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Studies / Data Sources	Data Columns ⁹ Data Sources / Studies ²⁴			
	Date		Name	AdeliePenguinDiet
	Date, UIC		Description	Main data table for dataset
	Sample Number record number of a sampling event		Rows	746
	Sample Weight weight of prev retrieved from an organism's digestive system	g	Columns	9
	E. superba Weight weight of prey retrieved from an organism's digestive system	g	Approx. CSV file size	41.97kB
	Number of E. superba abundance of krill			
	T. macrura Weight weight of prey retrieved from an organism's digestive system	g		
	Number of T. macrura abundance of krill			
	Fish Weight weight of prey retrieved from an organism's digestive system	g		
	Number of Fish number of fish			

(Continued)

e. Locate **Data Fields** and *unselect* the following variables: *Sample weight, E. superba Weight, T. macrura Weight, and Fish Weight.* Select **Get Data** and then (after the data has been completely processed) select **CVS Ready**.

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2. Open the downloaded data into a spreadsheet for processing. This sample includes column heading changes (optional). a. **Insert a Row** to generate a formula for column totals used in graphing:

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9	PAL9192	1/20/92	91007	467	0	0	
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d. Move and name the graph as shown below:

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e. Completed chart including Legend and Chart Title:

