



Max Czapanskiy, PhD

UC SANTA BARBARA, ASSISTANT PROFESSOR OF TEACHING

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Appointments

UC Santa Barbara, Bren School of Environmental Science and Management & College of Creative Studies

ASSISTANT PROFESSOR OF TEACHING

2024 - Present

NOAA, Southwest Fisheries Science Center | UC Santa Cruz, Ocean Sciences

POSTDOCTORAL SCHOLAR

2022 - 2024

Education

Stanford University

Pacific Grove, CA

PHD IN BIOLOGY

2022

San Francisco State University

San Francisco, CA

MS IN GEOGRAPHIC INFORMATION SYSTEMS

2018

Columbia University

New York, NY

BS IN COMPUTER SCIENCE

2014

Teaching

2025	Intro to Marine Data Science	UC Santa Barbara
2024	Statistics for Environmental Data Science	UC Santa Barbara
2023	Data Science for Eco/Evo	UC Santa Cruz
2021	Just Enough Software Engineering (For Scientists)	Stanford University
2018 - present	Data Carpentry (Certified Instructor)	The Carpentries

Publications

Integrating animal tracking and trait data to facilitate global ecological discoveries	Journal of Exp. Bio.
BELTRAN, R.S., MARM KILPATRICK, A., ADAMCZAK, S.K., BEUMER, L.T., CZAPANSKIY, M.F. , ..., SALGUERO-GÓMEZ, R.	2025
Maximizing biological insights from instruments attached to animals	TREE
S BELTRAN, R., MARM KILPATRICK, A., PICARDI, S., ABRAHMS, B., ..., CZAPANSKIY, M.F. , ..., W ROBINSON, P.	2025
Reproductive success and offspring survival decline for female elephant seals past prime age	Journal of Animal Ecology
R PAYNE, A., CZAPANSKIY, M.F. , MARM KILPATRICK, A., W ROBINSON, P., MO MUNRO, C., ..., S BELTRAN, R.	2024
Long-term studies should provide structure for inclusive education and professional development	Ecology Letters
CZAPANSKIY, M.F. , ARCILA HERNÁNDEZ, L.M., MUNRO, C., GARFIELD, I., BASTIDAS, A., ..., BELTRAN, R.S.	2024
Sea-Ice and Macrozooplankton Distribution as Determinants of Top Predator Community Structure in Antarctic Winter	Marine Ecology Progress Series
CZAPANSKIY, M.F. , SANTORA, J.A., DIETRICH, K.S., CIMINO, M.A., HAZEN, E.L., ..., VEIT, R.R.	2024
Ecosystem Sentinels as Early-Warning Indicators in the Anthropocene	Ann. Rev. of Environment and Resources
HAZEN, E.L., SAVOCA, M.S., CLARK-WOLF, T., CZAPANSKIY, M.F. , RABINOWITZ, P.M., ABRAHMS, B.	2024
Energy Densities of Key Prey Species in the California Current Ecosystem	Frontiers in Marine Science
PRICE, S.E., SAVOCA, M.S., KUMAR, M., CZAPANSKIY, M.F. , McDERMOTT, D., ..., GOLDBOGEN, J.A.	2024
Field measurements reveal the risk of microplastic ingestion by filter-feeding megafauna	Nature Communications
KAHANE-RAPPORT, S.R., CZAPANSKIY, M.F. , FAHLBUSCH, J.A., FRIEDLAENDER, A.S., CALAMBOKIDIS, J., ..., SAVOCA, M.S.	2022
Fast and furious: energetic tradeoffs and scaling of high-speed foraging in rorqual whales	Integrative Organismal Biology
GOUGH, W.T., CADE, D.E., CZAPANSKIY, M.F. , POTVIN, J., FISH, F.E., ..., GOLDBOGEN, J.A.	2022
Blue whales increase feeding rates at fine-scale ocean features	Proceedings of the Royal Society B
FAHLBUSCH, J.A., CZAPANSKIY, M.F. , CALAMBOKIDIS, J., CADE, D.E., ABRAHMS, B., ..., GOLDBOGEN, J.A.	2022
Baleen whale inhalation variability revealed using animal-borne video tags	PeerJ
NAZARIO, E.C., CADE, D.E., BIERLICH, K., CZAPANSKIY, M.F. , GOLDBOGEN, J.A., ..., FRIEDLAENDER, A.S.	2022

How reproducibility will accelerate discovery through collaboration in physio-logging	<i>Frontiers in Physiology</i>
CZAPANSKIY, M.F. , BELTRAN, R.S.	2022
An accelerometer-derived ballistocardiogram method for detecting heart rates in free-ranging marine mammals	<i>Journal of Exp. Bio.</i>
CZAPANSKIY, M.F. , PONGANIS, P.J., FAHLBUSCH, J.A., SCHMITT, T.L., GOLDBOGEN, J.A.	2022
Elephant seals time their long-distance migrations using a map sense	<i>Current Biology</i>
BELTRAN, R.S., YUEN, A.L., CONNIT, R., ROBINSON, P.W., CZAPANSKIY, M.F. , ..., COSTA, D.P.	2022
Scaling of maneuvering performance in baleen whales: larger whales outperform expectations	<i>Journal of Exp. Bio.</i>
SEGRE, P.S., GOUGH, W.T., ROUALDES, E.A., CADE, D.E., CZAPANSKIY, M.F. , ..., GOLDBOGEN, J.A.	2022
Tools for integrating inertial sensor data with video bio-loggers, including estimation of animal orientation, motion, and position	<i>Animal Biotelemetry</i>
CADE, D.E., GOUGH, W.T., CZAPANSKIY, M.F. , FAHLBUSCH, J.A., KAHANE-RAPPORT, S.R., ..., GOLDBOGEN, J.A.	2021
Baleen whale prey consumption based on high-resolution foraging measurements	<i>Nature</i>
SAVOCA, M.S., CZAPANSKIY, M.F. , KAHANE-RAPPORT, S.R., GOUGH, W.T., FAHLBUSCH, J.A., ..., GOLDBOGEN, J.A.	2021
Modelling short-term energetic costs of sonar disturbance to cetaceans using high-resolution foraging data	<i>Journal of Applied Ecology</i>
CZAPANSKIY, M.F. , SAVOCA, M.S., GOUGH, W.T., SEGRE, P.S., WISNIEWSKA, D.M., ..., GOLDBOGEN, J.A.	2021
Scaling of oscillatory kinematics and Froude efficiency in baleen whales	<i>Journal of Exp. Bio.</i>
GOUGH, W.T., SMITH, H.J., SAVOCA, M.S., CZAPANSKIY, M.F. , FISH, F.E., ..., GOLDBOGEN, J.A.	2021
Cervical air sac oxygen profiles in diving emperor penguins: parabronchial ventilation and the respiratory oxygen store	<i>Journal of Exp. Bio.</i>
WILLIAMS, C.L., CZAPANSKIY, M.F. , JOHN, J.S., ST LEGER, J., SCADENG, M., PONGANIS, P.J.	2021
Why whales are big but not bigger: Physiological drivers and ecological limits in the age of ocean giants	<i>Science</i>
GOLDBOGEN, J.A., CADE, D.E., WISNIEWSKA, D.M., POTVIN, J., ..., CZAPANSKIY, M.F. , ..., PYENSON, N.D.	2019
Extreme bradycardia and tachycardia in the world's largest animal	<i>PNAS</i>
GOLDBOGEN, J.A., CADE, D.E., CALAMBOKIDIS, J., CZAPANSKIY, M.F. , FAHLBUSCH, J., ..., PONGANIS, P.J.	2019
Diving behavior of Pink-footed Shearwaters <i>Ardenna creatopus</i> rearing chicks on Isla Mocha, Chile	<i>Marine Ornithology</i>
ADAMS, J., FELIS, J.J., CZAPANSKIY, M.F. , CARLE, R., HODUM, P.	2019
Collision and displacement vulnerability to offshore wind energy infrastructure among marine birds of the Pacific Outer Continental Shelf	<i>Journal of Env. Mgmt.</i>
KELSEY, E.C., FELIS, J.J., CZAPANSKIY, M.F. , PEREKSTA, D.M., ADAMS, J.	2018