

Data collection and analysis of paleonetworks

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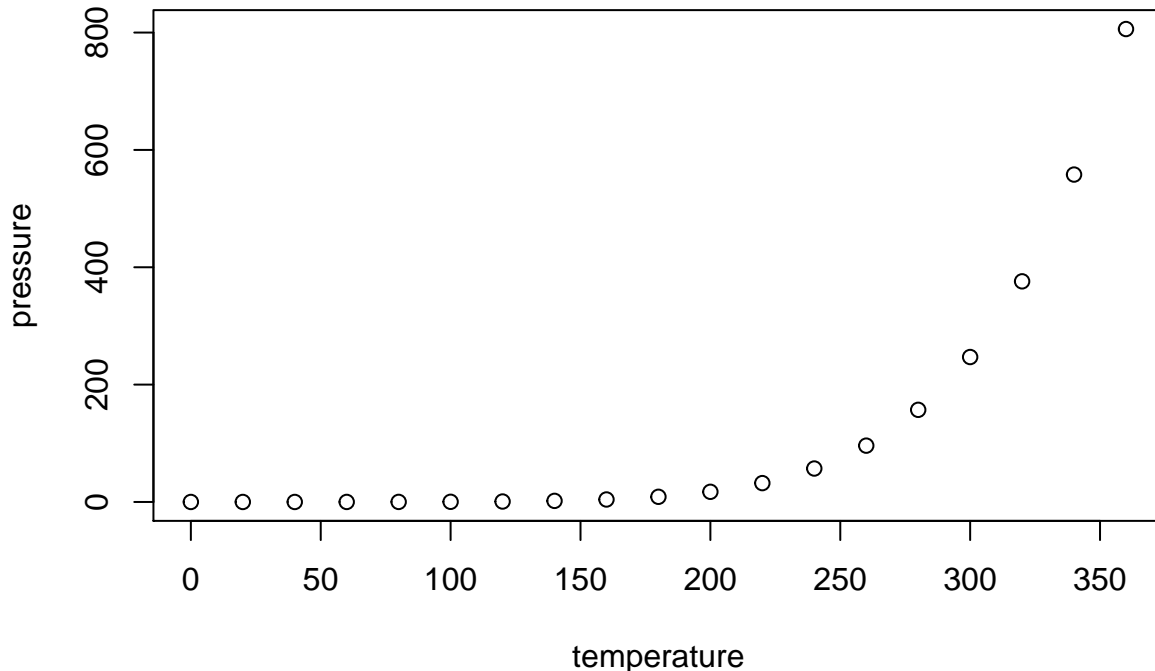
Data collection

the first step was to collect data from the paleodiversity database, from there we gathered occurrences using the following code.

Which collected all occurrences from the Rhaetian to the Sinemurian, within the bounding box of latitudes 34 to 85 degrees north and longitudes 28.85 west to 41.078 east. the variables collected were occurrence_no, record_type, reid_no, flags, collection_no, identified_name, identified_rank, identified_no, difference, accepted_name, accepted_attr, accepted_rank, accepted_no, early_interval, late_interval, max_ma, min_ma, ref_author, ref_puylr, reference_no, taxon_environment, environment_basis, motility, life_habit, vision, diet, reproduction, ontogeny, ecospace_comments, lng, lat, abund_value, abund_unit, created, modified, environment, tectonic_setting, geology_comments, authorizer_no, enterer_no, modifier_no, primary_name, primary_reso, subgenus_name, subgenus_reso, species_name, species_reso, lithdescript, lithology1, lithification1, minor_lithology1, lithology2, lithification2, minor_lithology2, cc, state, county, latlng_basis, latlng_precision, geogscale, geogcomments, paleomodel, paleolng, paleolat, geoplate, phylum, class, order, family, genus, protected, primary_reference, occurrence_comments, formation, stratgroup, member, stratscale, zone, localsection, localbed, localorder, regionalsection, regionalbed, regionalorder, stratcomments, cx_int_no. We collected 11898

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

Table 1: Firts 20

occurrence_no	record_type	reid_no	flags	collection_no	identified_name	identified_rank
146086	occ	NA	NA	12857	Kuehneosaurus n. sp. latissimus	species
146087	occ	NA	NA	12858	n. gen. Kuehneosaurus n. sp. latus	species
149237	occ	NA	NA	13173	n. gen. Clevosaurus n. sp. hudsoni	species
149238	occ	19535	NA	13173	Suchia indet.	unranked clade
149239	occ	19536	NA	13173	Diphydontosaurus sp.	genus
149240	occ	19537	NA	13174	Suchia indet.	unranked clade
149241	occ	19538	NA	13174	Diphydontosaurus sp.	genus
149242	occ	27953	NA	13174	aff. Terrestrisuchus sp.	genus
149243	occ	19539	NA	13174	Planocephalosaurus robinsonae	species
149244	occ	NA	NA	13174	Sigmala sigmala	species
149245	occ	NA	NA	13174	Archosauria indet.	unranked clade
149246	occ	NA	NA	13174	Kuehneosaurus sp.	genus
149247	occ	27954	NA	13175	Clevosaurus minor	species
149249	occ	19542	NA	13175	Planocephalosaurus robinsonae	species
149250	occ	27955	NA	13175	aff. Terrestrisuchus sp.	genus
149251	occ	19543	NA	13175	Diphydontosaurus sp.	genus
149252	occ	19544	NA	13175	Suchia indet.	unranked clade
149253	occ	19545	NA	13175	Sigmala sigmala	species
149254	occ	27956	NA	13176	Planocephalosaurus robinsonae	species
149255	occ	27957	NA	13176	Clevosaurus minor	species